The fithesis3 class for the typesetting of theses written at the Masaryk University in Brno

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Abstract

This document details the design and the implementation of the fithesis3 document class. It contains technical information for anyone who wishes to extend the class with their locale or style files. Users who only wish to use the class are advised to consult the guides distributed along with the class, which only document the parts of the public API relevant to the given style files.

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1 Required classes and packages

The class loads the rapport3 base class and the following packages:

- keyval Adds support for parsing comma-delimited lists of key-value pairs.
- etoolbox Adds support for expanding code after the preamble using the \AtPreamble hook.
- ifxetex Used to detect the X¬T¬EX engine.
- ifluatex Used to detect the LuaTFX engine.
- inputenc Used to enable the input UTF-8 encoding. This package does not get loaded under the X¬TFX and LuaTFX engines.

The hyperref package is also conditionally loaded during the expansion of the \thesis@load macro (see Section 3.1). Other packages may be required by the style files (see Section 3.6) you are using.

```
1 \ProvidesClass{fithesis3}[\thesis@version]
2 \LoadClass[a4paper]{rapport3}
3 \RequirePackage{keyval}
4 \RequirePackage{etoolbox}
5 \RequirePackage{ifxetex}
6 \RequirePackage{ifluatex}
7 \ifxetex\else\ifluatex\else
8 \RequirePackage[utf8]{inputenc}
9 \fi\fi
```

2 Public API

2.1 Options

Any $[\langle options \rangle]$ passed to the class will be handed down to the loaded style files. The supported options are therefore documented in the subsections of Section 3.6 dedicated to the respective style files.

2.2 The \thesissetup macro

 \t

The main public macro is the $\hat{\langle keyvals \rangle}$ command, where keyvals is a comma-delimited list of key-value pairs as defined by the keyval package. This macro needs to be included prior to the beginning of a LaTeX document. When used, the keyvals are processed.

Note that the values passed to the \thesissetup public macro may only contain one paragraph of text. If you wish to set multiple paragraphs of text as the value, you need to use the \thesislong public macro (see Section 2.3).

```
10 \def\thesissetup#1{%
11 \setkeys{thesis}{#1}}
```

2.2.1 The basePath key

\thesis@basepath

The $\{\langle basePath=path \rangle\}$ pair sets the path containing the class files. The path is prepended to every other path (\thesis@logopath, \thesis@stylepath and \thesis@localepath) used by the class. If non-empty, the path gets normalized to path/. The normalized path is stored within the private \thesis@basepath macro, whose implicit value is fithesis3/.

```
12 \def\thesis@basepath{fithesis3/}
13 \define@key{thesis}{basePath}{%
   \ifx\thesis@empty#1\thesis@empty%
      \def\thesis@basepath{}%
15
16 \else%
     \def\thesis@basepath{#1/}%
17
18 \fi}
```

\thesis@logopath 2.2.2 The logoPath key

The $\{\langle \log Path = path \rangle\}$ pair sets the path containing the logo files, which is used by the style files loading the logo. The path is normalized using the private \thesis@subdir macro and stored within the private \thesis@logopath macro, $whose implicit value is \verb|\thesis@basepath| followed by logo/\\thesis@university/.$ By default, this expands to fithesis3/logo/mu/.

```
19 \def\thesis@logopath{\thesis@basepath logo/\thesis@university/}
20 \define@key{thesis}{logoPath}{%
21 \def\thesis@logopath{\thesis@subdir#1%
      \empty\empty\empty\empty}}
```

\thesis@stylepath 2.2.3 The stylePath key

The $\{\langle stylePath = path \rangle\}$ pair sets the path containing the style files. The path is normalized using the private \thesis@subdir macro and stored within the private \thesis@stylepath macro, whose implicit value is \thesis@basepath style/. By default, this expands to fithesis3/style/.

```
23 \def\thesis@stylepath{\thesis@basepath style/}
24 \define@key{thesis}{stylePath}{%
25 \def\thesis@stylepath{\thesis@subdir#1%
      \empty\empty\empty\}
```

\thesis@localepath 2.2.4 The localePath key

The $\{\langle localePath=path\rangle\}$ pair sets the path containing the locale files. The path is normalized using the private \thesis@subdir macro and stored within the private \thesis@localepath macro, whose implicit value is \thesis@basepath followed by locale/. By default, this expands to fithesis3/locale/.

```
27\def\thesis@localepath{\thesis@basepath locale/}
28\define@key{thesis}{localePath}{%
29 \def\thesis@localepath{\thesis@subdir#1%
30 \empty\empty\empty}}
```

\thesis@subdir

The \thesis@subdir private macro returns / unchanged, coerces ., .., /path, ./path and ../path to ./, ../, /path/, ./path/ and ../path/, respectively, and coerces any other path into \thesis@basepath path/.

```
31 \def\thesis@subdir#1#2#3#4\empty{%
   \ifx#1\empty%
                             <empty> -> <basepath>
33
      \thesis@basepath
    \else
34
      \if#1/%
35
                                    / -> /
        \ifx#2\empty%
36
          /%
37
                             /<path> -> /<path>/
        \else%
38
          #1#2#3#4/%
39
        \fi
40
      \else%
41
        \if#1.%
42
          \ifx#2\empty%
                                    . -> ./
43
            ./%
44
45
          \else
46
            \if#2.%
              \ifx#3\empty%
47
                                   .. -> ../
                 ../%
48
               \else
49
                \if#3/%
                          ../<path> -> ../<path>/
50
                   ../#4/%
51
52
                 \else
53
                   \thesis@basepath#1#2#3#4/%
                 \fi
54
55
              \fi
            \else
56
57
              \if#2/%
                             ./<path> -> ./<path>/
58
                 ./#3#4/%
               \else
                 \thesis@basepath#1#2#3#4/%
60
               \fi
61
            \fi
62
          \fi
63
        \else
64
          \thesis@basepath#1#2#3#4/%
65
```

```
\fi
66
67
      \fi%
   \fi}
68
```

\thesis@def

The \thesis@def[$\langle key \rangle$] {\(\lamble\) private macro defines the private \thesis@name\) macro to expand to either «key», if specified, or to «name». The macro serves to provide the placeholder string for user-defined macros with no default value.

```
69 \newcommand{\thesis@def}[2][]{%
70 \expandafter\def\csname thesis@#2\endcsname{%
      <<\ifx\thesis@empty#1\thesis@empty#2\else#1\fi>>}}
```

\thesis@declaration 2.2.5 The declaration key

The $\{\langle declaration = text \rangle\}$ pair sets the declaration text to be included into the document. \thesis@basepath followed by path. The text is stored within the private \thesis@declaration macro, whose implicit value is \thesis@@{declaration}.

```
72 \def\thesis@declaration{\thesis@@{declaration}}
73 \long\def\KV@thesis@declaration#1{%
74 \long\def\thesis@declaration{#1}}
```

\ifthesis@woman 2.2.6 The gender key

The $\{\langle gender = char \rangle\}$ pair sets the author's gender to either a male, if *char* is the character m, or to a female. The gender can be tested using the \ifthesis@woman \dots \else \dots \fi conditional. The implicit gender is male.

```
75 \newif\ifthesis@woman\thesis@womanfalse
76 \define@key{thesis}{gender}{%
77 \def\thesis@male{m}%
78 \def\thesis@arg{#1}%
   \ifx\thesis@male\thesis@arg%
    \thesis@womanfalse%
81
82
    \thesis@womantrue%
83 \fi}
```

\thesis@author 2.2.7 The author key

\thesis@parseAuthor

The $\{\langle author=name \rangle\}$ pair sets the author's full name to name. The name is parsed using the private macro and stored within the following private macros:

\thesis@author

• \thesis@author - The full name of the author.

\thesis@author@head

• \thesis@author@head - The first space-delimited part of the name. This corresponds to the author's first name.

\thesis@author@tail

• \thesis@author@tail - The full name without the first space-delimited part of the name. This corresponds to the author's surname.

```
84 \def\thesis@parseAuthor#1{%
85 \def\thesis@author{#1}%
86 \def\thesis@author@head{\expandafter\expandafter\expandafter\%
87 \@gobble\thesis@head#1 \relax}%
88 \def\thesis@author@tail{\thesis@tail#1 \relax}}
89 \thesis@def{author}%
90 \thesis@def[author]{author@head}%
91 \thesis@def[author]{author@tail}%
92 \define@key{thesis}{author}{%
93 \thesis@parseAuthor{#1}}
```

\thesis@id 2.2.8 The id key

The $\{\langle id=identifier \rangle\}$ pair sets the identifier of the thesis author to *identifier*. This usually corresponds to a unique identifier of the author within the information system of the given university.

```
94\thesis@def{id}
95\define@key{thesis}{id}{%
96 \def\thesis@id{#1}}
```

\thesis@type 2.2.9 The type key

The $\{\langle type=type \rangle\}$ pair sets the type of the thesis to *type*. The following types of theses are recognized:

The thesis type	The value of <i>type</i>
Bachelor's thesis	bc
Master's thesis	mgr
Doctoral thesis	d
Rigorous thesis	r

The *type* is stored within the private \thesis@type macro, whose implicit value is bc. For the ease of testing of the thesis type via \ifx conditions within style and locale files, the \thesis@bachelors, \thesis@masters, \thesis@doctoral and \thesis@rigorous macros containing the corresponding *type* values are available as a part of the private API.

\thesis@bachelors
 \thesis@masters
 \thesis@doctoral
 \thesis@rigorous

97 \def\thesis@bachelors{bc}
98 \def\thesis@masters{mgr}
99 \def\thesis@doctoral{d}
100 \def\thesis@rigorous{r}
101 \let\thesis@type\thesis@bachelors
102 \define@key{thesis}{type}{%
103 \def\thesis@type{#1}}

\thesis@university 2.2.10 The university key

The $\{\langle university=id \rangle\}$ pair sets the identifier of the university, at which the thesis is being written, to id. The id is stored within the private \thesis@university macro, whose implicit value is mu. The \thesis@university macro is used by the \thesis@logopath macro and when loading the style and locale files using the \thesis@load macro. It allows for the usage of the class at universities other than the Masaryk University in Brno without the need to alter the code.

```
104 \def\thesis@university{mu}
105 \define@key{thesis}{university}{%
106 \def\thesis@university{#1}}
```

\thesis@faculty 2.2.11 The faculty key

The {\(\faculty=domain\)\)} pair sets the faculty, at which the thesis is being written, to domain. The following domain names are recognized:

The Faculty	The domain name			
The Faculty of Informatics	fi			
The Faculty of Science	sci			
The Faculty of Law	law			
The Faculty of Economics and Administration	econ			
The Faculty of Social Studies	fss			
The Faculty of Medicine	med			
The Faculty of Education	ped			
The Faculty of Arts	phil			
The Faculty of Sports Studies	fsps			

The domain name is stored within the private \thesis@faculty macro, whose implicit value is fi.

```
107 \def\thesis@faculty{fi}
108 \define@key{thesis}{faculty}{%
109 \def\thesis@faculty{#1}}
```

\thesis@department 2.2.12 The department key

The $\{\langle department = name \rangle\}$ pair sets the name of the department, at which the thesis is being written, to name. The name is stored within the private \thesis@department macro.

```
110 \thesis@def{department}
111 \define@key{thesis}{department}{%
112 \def\thesis@department{#1}}
```

\thesis@departmentEn 2.2.13 The departmentEn key

The {\departmentEn=name\} pair sets the English name of the department, at which the thesis is being written, to name. The name is stored within the private \thesis@departmentEn macro.

```
113 \thesis@def{departmentEn}
114 \define@key{thesis}{departmentEn}{%
115 \def\thesis@departmentEn{#1}}
```

\thesis@programme 2.2.14 The programme key

The $\{\langle programme = name \rangle\}$ pair sets the name of the author's study programme to *name*. The *name* is stored within the private \thesis@programme macro.

```
116 \thesis@def{programme}
117 \define@key{thesis}{programme}{%
118 \def\thesis@programme{#1}}
```

\thesis@programmeEn 2.2.15 The programmeEn key

The $\{\langle programmeEn=name \rangle\}$ pair sets the English name of the author's study programme to name. The name is stored within the private \thesis@programmeEn macro.

```
119 \thesis@def{programmeEn}
120 \define@key{thesis}{programmeEn}{%
121 \def\thesis@programmeEn{#1}}
```

\thesis@field 2.2.16 The field key

The {\field=name\} pair sets the name of the author's field of stufy to name. The *name* is stored within the private \thesis@field macro.

```
122 \thesis@def{field}
123 \define@key{thesis}{field}{%
124 \def\thesis@field{#1}}
```

\thesis@fieldEn 2.2.17 The fieldEn key

The {\fieldEn=name\} pair sets the English name of the author's field of stufy to *name*. The *name* is stored within the private \thesis@fieldEn macro.

```
125 \thesis@def{fieldEn}
126 \define@key{thesis}{fieldEn}{%
127 \def\thesis@fieldEn{#1}}
```

\thesis@universityLogo 2.2.18 The universityLogo key

The {\universityLogo=filename\)} pair sets the filename of the logo file to be used to filename. The filename is stored within the private \thesis@universityLogo macro, whose implicit value is base. The logo file is loaded from the \thesis@logopath \thesis@logo path.

```
128 \def\thesis@universityLogo{base}
129 \define@key{thesis}{universityLogo}{%
130 \def\thesis@universityLogo{#1}}
```

\thesis@facultyLogo 2.2.19 The facultyLogo key

The { \(facultyLogo=filename \) \) pair sets the filename of the logo file to be used to filename. The filename is stored within the private \thesis@facultyLogo macro, whose implicit value is \thesis@faculty. The logo file is loaded from the \thesis@logopath\thesis@logo path.

```
131 \def\thesis@facultyLogo{\thesis@faculty}
132 \define@key{thesis}{facultyLogo}{%
133 \def\thesis@facultyLogo{#1}}
```

\thesis@style 2.2.20 The style key

The {\style=filename\} pair sets the filename of the style file to be used to filename. The filename is stored within the private \thesis@style macro, whose implicit value is \thesis@university/fithesis3-\thesis@faculty. The style file is loaded from the \thesis@stylepath\thesis@style path.

```
134 \def\thesis@style{\thesis@university/fithesis3-\thesis@faculty}
135 \define@key{thesis}{style}{%
136 \def\thesis@style{#1}}
```

\thesis@style@inheritance 2.2.21 The styleInheritance key

The $\{\langle styleInheritance=bool \rangle\}$ pair either enables, if bool is true or unspecified, or disables the inheritance for style files. The effects of the inheritance are documented within the subsection documenting the \thesis@load macro. The setting can be tested using the \ifthesis@style@inheritance ...\else ...\fi conditional. Inheritance is enabled for style files by default.

```
137 \newif\ifthesis@style@inheritance\thesis@style@inheritancetrue
138 \define@key{thesis}{styleInheritance}[true]{%
139
    \def\@true{true}%
    \def\@arg{#1}%
140
    \ifx\@true\@arg%
141
     \thesis@style@inheritancetrue%
142
143
      \thesis@style@inheritancefalse%
145 \fi}
```

\thesis@locale 2.2.22 The locale key

The $\{\langle locale=filename \rangle\}$ pair sets the filename of the locale file(s) to be used to filename. The filename is stored within the private \thesis@locale macro, whose implicit value is the main language of either the babel or the polyglossia package, or english, when undefined. If the inheritance is disabled for locale files, the locale file is loaded from the \thesis@localepath\thesis@locale path.

\ifthesis@english

The English locale is special. Several parts of the document will typically be type-set in both the current locale and English. However, if the current locale is English, this would result in duplicity. To avoid this, the \ifthesis@english...\else...\fi conditional is made available for testing, whether or not the current locale is English.

```
152 \def\ifthesis@english{
    \expandafter\def\expandafter\@english\expandafter{\string%
153
    \english}%
    \expandafter\expandafter\expandafter\def\expandafter%
    \expandafter\expandafter\@locale\expandafter\expandafter%
    \expandafter{\expandafter\string\csname\thesis@locale\endcsname}%
    \expandafter\csname\expandafter i\expandafter f\ifx\@locale%
    \@english%
159
      true%
160
    \else%
161
162
      false%
163 \fi\endcsname}
```

\thesis@locale@inheritance

2.2.23 The localeInheritance key

The {\land localeInheritance=bool\} pair either enables, if bool is true or unspecified, or disables the inheritance. The effects of the inheritance are documented within the subsection documenting the \thesis@load macro. The setting can be tested using the \ifthesis@locale@inheritance...\else...\fi conditional. Inheritance is enabled for locale files by default.

```
164 \newif\ifthesis@locale@inheritance\thesis@locale@inheritancetrue
165 \define@key{thesis}{localeInheritance}[true]{%
166  \def\@true{true}%
167  \def\@arg{#1}%
168  \ifx\@true\@arg%
169  \thesis@locale@inheritancetrue%
170  \else%
171  \thesis@locale@inheritancefalse%
172  \fi}
```

2.2.24 The date key

The $\{\langle \text{date} = \text{date} \rangle\}$ pair sets the date of the thesis defence to date, where date is a string in the YYYY/MM/DD format, where YYYY stands for full year, MM stands for month and DD stands for day. The date is parsed and stored using the \thesis@parseDate private macro within the following private macros:

\thesis@parseDate

- \thesis@date The whole date
- \thesis@year

\thesis@date

- \thesis@year The year
- \thesis@month
- \thesis@month The month
- \thesis@day
- \thesis@day The day of month

\thesis@season

- \thesis@season Expands to either:
 - winter if MM < 7.
 - summer if $MM \geq 7$.

\thesis@academicYear

- \thesis@academicYear The academic year of the given semester:
 - YYYY/YYY+1 in case of a summer semester
 - YYYY-1/YYYY in case of a winter semester

To set up the default values, the \thesis@parseDate macro is called with the fully expanded \the\year/\the\month/\the\day string.

```
173 \def\thesis@parseDate#1/#2/#3|{{
174 % Basic info
                \gdef\thesis@date{#1/#2/#3}%
                \gdef\thesis@year{#1}%
                 \gdef\thesis@month{#2}%
177
                \gdef\thesis@day{#3}%
178
179
                % Season and academic year
180
                 \newcount\@year \expandafter\@year \thesis@year \relax%
                 \newcount\@month\expandafter\@month\thesis@month\relax%
                 \ifnum\@month<7%
183
                          \gdef\thesis@season{winter}%
184
                         \advance\equiv (\advance\equiv (\advance\equu) (\advance\equiv (\advance\equu) (\advance\equu) (\advance\equu) (\advance\equu) (\advance\equu) (\advance(\advance\equu) (\advance\equu) (\advance\equu) (\ad
185
                         \advance\@year 1\edef\@yearB{\the\@year}%
186
                 \else%
187
188
                         \gdef\thesis@season{summer}%
189
                                                                                       \edef\@yearA{\the\@year}%
                         \advance\@year 1\edef\@yearB{\the\@year}%
190
191
                 \global\edef\thesis@academicYear{\@yearA/\@yearB}}}
192
194 \edf\thesis@date{\theta\the\month/\the\day}\%
195 \expandafter\thesis@parseDate\thesis@date|%
```

```
196
197 \define@key{thesis}{date}{{%
198  \edef\@date{#1}%
199  \expandafter\thesis@parseDate\@date|}}
```

\thesis@place 2.2.25 The place key

The $\{\langle place=place \rangle\}$ pair sets the location of the faculty, at which the thesis is being prepared, to *place*. The *place* is stored within the private \thesis@place macro, whose implicit value is Brno.

```
200 \def\thesis@place{Brno}
201 \define@key{thesis}{place}{%
202 \def\thesis@place{#1}}
```

\thesis@title 2.2.26 The title key

The $\{\langle \text{title} = title \rangle\}$ pair sets the title of the thesis to *title*. The *title* is stored within the private thesis@title macro.

```
203 \thesis@def{title}
204 \define@key{thesis}{title}{%
205 \def\thesis@title{#1}}
```

\thesis@TeXtitle 2.2.27 The TeXtitle key

The { $\langle \text{TeXtitle} = title \rangle$ } pair sets the TEX title of the thesis to title. The title is used, when typesetting the title, whereas \thesis@title is a plain text, which gets included in the PDF header of the resulting document as well as in the BrbTEX file containing the bibliographical entry for the thesis. The title is stored within the private \thesis@TeXtitle macro, whose implicit value is \thesis@title.

```
206 \def\thesis@TeXtitle{\thesis@title}
207 \define@key{thesis}{TeXtitle}{%
208 \def\thesis@TeXtitle{#1}}
```

\thesis@titleEn 2.2.28 The titleEn key

The $\{\langle \text{titleEn} = title \rangle\}$ pair sets the English title of the thesis to *title*. The *title* is stored within the private thesis@titleEn macro.

```
209\thesis@def{titleEn}
210\define@key{thesis}{titleEn}{%
211 \def\thesis@titleEn{#1}}
```

\thesis@TeXtitleEn 2.2.29 The TeXtitleEn key

The {\TeXtitleEn=title\} pair sets the English TeX title of the thesis to title. The title is used, when typesetting the title, whereas \thesis@titleEn is a plain text. The title is stored within the private \thesis@TeXtitleEn macro, whose implicit value is \thesis@titleEn.

```
212 \def\thesis@TeXtitleEn{\thesis@titleEn}
213 \define@key{thesis}{TeXtitleEn}{%
214 \def\thesis@TeXtitleEn{#1}}
```

\thesis@keywords 2.2.30 The keywords key

The $\{\langle keywords=list \rangle\}$ pair sets the keywords of the thesis to the comma-delimited *list*. The *list* is stored within the private \thesis@keywords macro.

```
215 \thesis@def{keywords}
216 \define@key{thesis}{keywords}{%
217 \def\thesis@keywords{#1}}
```

\thesis@TeXkeywords 2.2.31 The TeXkeywords key

The $\{\langle TeXkeywords=list \rangle\}$ pair sets the TeX keywords of the thesis to the commadelimited *list*. The *list* is used, when typesetting the keywords, whereas \thesis@keywords is a plain text. The *list* is stored within the private \thesis@TeXkeywords macro.

```
218 \def\thesis@TeXkeywords{\thesis@keywords}
219 \define@key{thesis}{TeXkeywords}{%
220 \def\thesis@TeXkeywords{#1}}
```

\thesis@keywordsEn 2.2.32 The keywordsEn key

The $\{\langle \text{keywordsEn} = list \rangle\}$ pair sets the English keywords of the thesis to the comma-delimited list. The list is stored within the private \thesis@keywordsEn macro.

```
221 \thesis@def{keywordsEn}
222 \define@key{thesis}{keywordsEn}{%
223 \def\thesis@keywordsEn{#1}}
```

\thesis@TeXkeywordsEn 2.2.33 The TeXkeywordsEn key

The $\{\langle TeXkeywordsEn=list \rangle\}$ pair sets the English TFX keywords of the thesis to the comma-delimited list. The list is used, when typesetting the keywords, whereas \thesis@keywordsEn is a plain text. The *list* is stored within the private \thesis@TeXkeywordsEn macro.

```
224 \def\thesis@TeXkeywordsEn{\thesis@keywordsEn}
225 \define@key{thesis}{TeXkeywordsEn}{%
226 \def\thesis@TeXkeywordsEn{#1}}
```

\thesis@abstract 2.2.34 The abstract key

The $\{\langle abstract = text \rangle\}$ pair sets the abstract of the thesis to text. The text is stored within the private \thesis@abstract macro.

```
227 \thesis@def{abstract}
228 \long\def\KV@thesis@abstract#1{%
229 \long\def\thesis@abstract{#1}}
```

\thesis@abstractEn 2.2.35 The abstractEn key

The $\{\langle abstractEn=text \rangle\}$ pair sets the English abstract of the thesis to *text*. The *text* is stored within the private \thesis@abstractEn macro.

```
230 \thesis@def{abstractEn}
231 \long\def\KV@thesis@abstractEn#1{%
232 \long\def\thesis@abstractEn{#1}}
```

\thesis@advisor 2.2.36 The advisor key

The $\{\langle advisor = name \rangle\}$ pair sets the thesis advisor's full name to name. The name is stored within the private \thesis@advisor macro.

```
233 \thesis@def{advisor}
234 \define@key{thesis}{advisor}{\def\thesis@advisor{#1}}
```

\thesis@thanks 2.2.37 The thanks key

The $\{\langle thanks=text \rangle\}$ pair sets the acknowledgement text to *text*. The *text* is stored within the private \thesis@thanks macro.

```
235 \long\def\KV@thesis@thanks#1{%
236 \long\def\thesis@thanks{#1}}
```

\thesis@assignmentFiles 2.2.38 The assignment key

The {\assignment=list\} pair sets the comma-separated list of paths to the pdf files containing the thesis assignment to list. The list is stored within the \thesis@assignmentFiles private macro.

```
237 \define@key{thesis}{assignment}{%
238 \def\thesis@assignmentFiles{#1}}
```

\ifthesis@auto 2.2.39 The autoLayout key

The $\{\langle \text{autoLayout}=bool\rangle\}$ pair either enables, if bool is true or unspecified, or disables autolayout. Autolayout injects the \thesis@preamble and \thesis@postamble private macros at the beginning and the end of the document, respectively. The setting can be tested using the \ifthesis@auto...\else...\fi conditional. The autolayout is enabled by default.

```
239 \newif\ifthesis@auto\thesis@autotrue
240 \define@key{thesis}{autoLayout}[true]{%
241 \def\@true{true}%
242 \def\@arg{#1}%
243 \ifx\@true\@arg%
244 \thesis@autotrue%
245 \else%
246 \thesis@autofalse%
247 \fi}
```

\thesis@preamble \thesis@postamble

The \thesis@postamble and \thesis@preamble private macros are defined as empty strings by default and are subject to redefinition by the style files.

```
248 \def\thesis@preamble{}
249 \def\thesis@postamble{}
```

2.3 The \thesislong macro

\thesislong

The public macro \thesislong{ $\langle key \rangle$ }{ $\langle value \rangle$ }, where *value* may contain multiple paragraphs of text, can be used for the following *keys* as an alternative to the \thesissetup public macro, which only permits a single paragraph as the *value*:

- abstract
- abstractEn
- thanks
- declaration

```
250 \long\def\thesislong#1#2{%
251 \csname KV@thesis@#1\endcsname{#2}}
```

3 Private API

3.1 Main routine

thesis@load

\ifthesis@loaded

The \thesis@load macro is responsible for preparing the environment for, and consequently loading, the necessary locale and style files. By default, the \thesis@load macro gets expanded at the end of the preamble, but it can be inserted manually prior to that, if necessary to prevent package clashes. The \ifthesis@loaded semaphore ensures that the expansion is only performed once.

```
252 \newif\ifthesis@loaded\thesis@loadedfalse
253 \AtEndPreamble{\thesis@load}
254 \def\thesis@loade{%
255 \ifthesis@loaded\else%
256 \thesis@loadedtrue
257 \makeatletter%
```

First, the main locale file is loaded using the \thesis@requireLocale macro.

```
258 \ifx\thesis@locale\empty\else
259 \thesis@requireLocale{\thesis@locale}
260 \fi
```

Consequently, the style files are loaded with the class options passed onto them.

```
261 \ifx\thesis@style\empty\else
262 \thesis@requireStyle{\thesis@style}
263 \fi
```

With the placeholder strings loaded from the locale files, we can now inject metadata into the resulting PDF file. To this end, the hyperref package is conditionally included with the unicode option. Consequently, the following values are assigned to the PDF headers:

- Title is set to \thesis@title.
- Author is set to \thesis@author.
- Keywords is set to \thesis@keywords.
- Creator is set to 2015/06/21 v0.3.16 fithesis3 MU thesis class.

```
264 \thesis@require{hyperref}%
265 {\hypersetup{unicode,
266 pdftitle={\thesis@title},%
267 pdfauthor={\thesis@author},%
268 pdfkeywords={\thesis@keywords},%
269 pdfcreator={\thesis@version},%
270 }}%
```

If autolayout is enabled, the \thesis@preamble and \thesis@postamble macros are scheduled for expansion at the beginning and at the end of the document, respectively.

```
271 \ifthesis@auto%
272 \AtBeginDocument{\thesis@preamble}%
273 \AtEndDocument{\thesis@postamble}%
274 \fi%
```

Lastly, a BibTEX file named \jobname.bib containing the bibliographical entry for the thesis is scheduled to be generated at the end of the document in the working directory using the \thesis@bibgen macro and the \thesis@pages private macro definition containing the length of the document is scheduled to be included in the auxiliary file.

```
275 \AtEndDocument{%
```

\thesis@pages

3.2 File manipulation macros

\thesis@exists

The \thesis@exists{ $\langle file \rangle$ }{ $\langle tokens \rangle$ } private macro is used to test for the existence of a given *file*. If the *file* exists, the macro expands to *tokens*. Otherwise, a class warning is written to the output.

```
281 \def\thesis@input#1{%
282 \thesis@exists{#1}{\input{#1}}}
```

\thesis@input

The \thesis@input{ $\langle file \rangle$ } private macro inputs the given *file*, if it exists.

```
283 \def\thesis@exists#1#2{%
284 \IfFileExists{#1}{#2}{%
285 \ClassWarning{fithesis3}{File #1 doesn't exist}}}
```

\thesis@require

The \thesis@require $\{\langle package \rangle\}$ expands to \RequirePackage $\{\langle package \rangle\}$, if the specified package has not yet been loaded.

```
286 \def\thesis@require#1{%
287 \@ifpackageloaded{#1}{}{\RequirePackage{#1}}}
```

\thesis@requireWithOptions

The \thesis@requireWithOptions{ $\langle package \rangle$ } expands to \RequirePackageWithOptions{ $\langle package \rangle$ }, if the specified package exists and has not yet been loaded.

```
288 \def\thesis@requireWithOptions#1{\thesis@exists{#1.sty}{%
289 \@ifpackageloaded{#1}{}{\RequirePackageWithOptions{#1}}}}
```

\thesis@requireStyle

If inheritance is enabled for style files, then the $\text{thesis@requireStyle} \{ \langle style \rangle \}$ private macro sequentially loads each of the following files, provided they exist:

- 1. \thesis@stylepath fithesis3-base.sty
- 2. \thesis@stylepath\thesis@university/fithesis3-base.sty
- 3. \thesis@stylepath *style*.sty

If inheritance is disabled for style files, then only the \thesis@stylepath style.sty file is loaded. The fithesis3- prefix serves to prevent package clashes with other similarly named package files within the TEX directory structure.

```
290 \def\thesis@requireStyle#1{%
291 \ifthesis@style@inheritance%
292 \thesis@requireWithOptions{\thesis@stylepath fithesis3-base}%
293 \thesis@requireWithOptions{\thesis@stylepath\thesis@university%
294 /fithesis3-base}
295 \fi%
296 \thesis@requireWithOptions{\thesis@stylepath#1}}
```

\thesis@requireLocale If inheritance is enabled for style files, then the \thesis@requireStyle{ $\langle locale \rangle$ } private macro sequentially loads each of the following locale files, provided they exist:

- 1. \thesis@localepath locale.def
- 2. \thesis@localepath\thesis@university/locale.def
- 3. \thesis@localepath\thesis@university/\thesis@faculty/locale.def

If inheritance is disabled for locale files, then only the first listed file is used. The macro can be used within both locale and style files, although the usage within locale files is strongly discouraged to prevent circular dependencies.

```
297 \def\thesis@requireLocale#1{%
   % Prevent redundant entries
    \expandafter\ifx\csname thesis@#1@required\endcsname\relax%
299
      \expandafter\def\csname thesis@#1@required\endcsname{}%
300
        \thesis@input{\thesis@localepath#1.def}
301
        \ifthesis@locale@inheritance%
302
           \thesis@input{\thesis@localepath\thesis@university/#1.def}%
303
           \thesis@input{\thesis@localepath\thesis@university/%
304
305
             \thesis@faculty/#1.def}%
        \fi%
306
307
    \fi}
```

3.3 String manipulation macros

\thesis@

The \thesis@{\(\lamble\)} macro expands to \thesis@\(name\), where \(name\) gets fully expanded and can therefore contain active characters and command sequences.

308 \def\thesis@#1{\csname thesis@#1\endcsname}

\thesis@@

The \thesis@ $\{(name)\}$ macro expands to \thesis@ locale@name, where locale corresponds to the name of the current locale. name gets fully expanded and can therefore contain active characters and command sequences.

309 \def\thesis@0#1{\thesis@ $\{ \theta = 0, 1\} \}$

\thesis@lower \thesis@upper The \thesis@lower and \thesis@upper private macros are used for upper- and lowercasing within locale files. To cast the \thesis@name macro to the lower- or uppercase, \thesis@lower{name} or \thesis@upper{name} would be used, respectively. name gets fully expanded and can therefore contain active characters and command sequences.

```
310 \def\thesis@lower#1{{%
311 \let\ea\expandafter%
314 \ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\string\ea\csname\csname the%
315 sis@#1\endcsname\endcsname}}
316 \def\thesis@upper#1{{%
317 \let\ea\expandafter%
```

\thesis@@lower
\thesis@@upper

The \thesis@@lower and \thesis@@upper private macros are used for upper- and lowercasing current *locale* strings within style files. To cast the \thesis@*locale@name* macro to the lower- or uppercase, \thesis@@lower{name} or \thesis@@upper{name} would be used, respectively. name gets fully expanded and can therefore contain active characters and command sequences.

```
322 \def\thesis@lower#1{\thesis@lower{\thesis@locale @#1}} 323 \def\thesis@upper#1{\thesis@upper{\thesis@locale @#1}}
```

\thesis@head
\thesis@tail

The \thesis@head and \thesis@tail private macros are used for retrieving a head or a tail of space-separated token sequences, which end with \relax.

```
324 \def\thesis@head#1 #2{%
    \ifx\relax#2%
325
      \expandafter\@gobbletwo%
326
    \else%
327
328
     \ #1%
    \fi%
329
    \thesis@head#2}%
331 \def\thesis@tail#1 #2{%
332 \ifx\relax#2%
333
      #1%
      \expandafter\@gobbletwo%
334
335 \fi%
    \thesis@tail#2}%
```

3.4 General purpose macros

\thesis@pages

The \thesis@pages macro is defined at the beginning of the second LATEX run as a part of the main routine (see Section 3.1). During the first run, the macro expands to ??.

337 $\ifx\thesis@pages\undefined\def\thesis@pages{??}\fi$

3.5 Locale files

Locale files contain macro definitions for various locales. They live in the locale/subtree and they are loaded during the main routine (see Section 3.1).

\file

When creating a new locale file, it is advisable to create one self-contained dtx file, which is then partitioned into locale files via the docstrip tool based on the respective ins file. A macro $file{\langle filename \rangle}$ is available for the sectioning the documentation of various files within the dtx file. *filename*. For more information about dtx files and the docstrip tool, consult the dtxtut, docstrip, doc and ltxdoc manuals.

3.5.1 Interface

The union of locale files named *locale*.def, where *locale* is the result of the expansion of \thesis@locale, loaded via main routine's inheritance scheme (see Section 3.1) needs to define the following private macros:

- \thesis@locale@universityName The name of the university
- \thesis@locale@facultyName The name of the faculty
- \thesis@locale@assignment Instructions to replace the current page with the official thesis assignment
- \thesis@locale@declaration The declaration text
- \thesis@locale@fieldTitle The title of the field of study entry
- \thesis@locale@advisorTitle The title of the advisor
- \thesis@locale@authorTitle The title of the author
- \thesis@locale@abstractTitle The title of the abstract section
- \thesis@locale@keywordsTitle The title of the keywords section
- \thesis@locale@thanksTitle The title of the acknowledgement section
- \thesis@locale@declarationTitle The title of the declaration section
- \thesis@locale@idTitle The title of the thesis author's identifier field
- \thesis@locale@winter The name of the winter semester
- \thesis@locale@summer The name of the summer semester
- \thesis@locale@semester The full name of the current semester
- \thesis@locale@typeName The name of the thesis type

3.5.2 English locale files

3.5.2.1 The locale/english.def file

This is the base file of the English locale. It defines all the private macros mandated by the locale file interface.

```
338 \ProvidesFile{fithesis3/locale/english.def}[2015/04/18]
339
340 % Placeholders
341 \def\thesis@english@universityName{University name}
342 \def\thesis@english@facultyName{Faculty name}
343 \def\thesis@english@assignment{Replace this page with a copy
344 of the official signed thesis assignment.}
345 \def\thesis@english@declaration{Declaration text ...}
```

```
346
347 % Miscellaneous
348 \def\thesis@english@fieldTitle{Field of study}
349 \def\thesis@english@advisorTitle{Advisor}
350 \def\thesis@english@authorTitle{Author}
351 \def\thesis@english@abstractTitle{Abstract}
352 \def\thesis@english@keywordsTitle{Keywords}
353 \def\thesis@english@thanksTitle{Acknowledgement}
354 \def\thesis@english@declarationTitle{Declaration}
355 \def\thesis@english@idTitle{ID}
356 \def\thesis@english@winter{Spring}
357 \def\thesis@english@summer{Fall}
358 \def\thesis@english@semester{%
   \thesis@{english@\thesis@season} \thesis@year}
360 \def\thesis@english@typeName{%
361 \ifx\thesis@type\thesis@bachelors%
      Bachelor's Thesis%
362
363 \else\ifx\thesis@type\thesis@masters%
      Master's Thesis%
365 \else\ifx\thesis@type\thesis@doctoral%
366
      Doctoral Thesis%
    \else\ifx\thesis@type\thesis@rigorous%
367
      Rigorous Thesis%
368
    \else%
369
      <<Unknown thesis type (\thesis@type)>>%
370
    \fi\fi\fi\fi\fi}
```

3.5.2.2 The locale/mu/english.def file

This is the English locale file specific to the Masaryk University in Brno. It replaces the universityName placeholder with the correct value and defines the declaration and idTitle strings.

```
372 \ProvidesFile{fithesis3/locale/mu/english.def}[2015/04/18]
373 \def\thesis@english@universityName{Masaryk University}
374 \def\thesis@english@declaration{%
375 Hereby I declare that this paper is my original authorial work,
376 which I have worked out by my own. All sources, references and
377 literature used or excerpted during elaboration of this work are
378 properly cited and listed in complete reference to the due source.}
379
380 % Miscellaneous
381 \def\thesis@english@idTitle{UČO}
```

3.5.2.3 The locale/mu/law/english.def file

This is the English locale file specific to the Faculty of Law at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value and defines the facultyLongName required by the \thesis@blocks@cover and the \thesis@blocks@titlePage blocks.

```
382 \ProvidesFile{fithesis3/locale/mu/law/english.def}[2015/04/18]
383 \def\thesis@english@facultyName{Faculty of Law}
384 \def\thesis@english@facultyLongName{The Faculty of Law of the
385 Masaryk University}
```

3.5.2.4 The locale/mu/fsps/english.def file

This is the English locale file specific to the Faculty of Sports Studies at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value.

```
386 \ProvidesFile{fithesis3/locale/mu/fsps/english.def}[2015/04/18]
387
388 % Placeholders
389 \def\thesis@english@facultyName{Faculty of Sports Studies}
390
391 % Miscellaneous
392 \def\thesis@english@fieldTitle{Specialization}
```

3.5.2.5 The locale/mu/fss/english.def file

This is the English locale file specific to the Faculty of Social Studies at the Masaryk University in Brno. It replaces the facultyName string with the correct value.

```
393 \ProvidesFile{fithesis3/locale/mu/fss/english.def}[2015/04/18]
394
395% Placeholders
396 \def\thesis@english@facultyName{Faculty of Social Studies}
397 \def\thesis@english@assignment{Replace this page with a copy
398 of the official signed thesis assignment or the copy of the
399 Statement of an Author or both, depending on the requirements of
400 the respective department.}
```

3.5.2.6 The locale/mu/econ/english.def file

This is the English locale file specific to the Faculty of Economics and Administration at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value.

```
401 \ProvidesFile{fithesis3/locale/mu/econ/english.def}[2015/04/18]
402 \def\thesis@english@facultyName{Faculty of Economics
403 and Administration}
```

3.5.2.7 The locale/mu/med/english.def file

This is the English locale file specific to the Faculty of Medicine at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value and redefines the abstractTitle string with the common usage at the faculty. The file also defines the bib@title and bib@pages strings required by the \thesis@blocks@bibEntryblock defined within the style/mu/fithesis3-med.sty style file.

```
404 \end{area} Illustration{All the sis 3/locale/mu/med/english.def} [2015/04/18] \\
```

```
405
406% Miscellaneous
407 \def\thesis@english@abstractTitle{Annotation}
408
409% Placeholders
410 \def\thesis@english@facultyName{Faculty of Medicine}
411
412% Bibliographic entry
413 \def\thesis@english@bib@title{Bibliographic record}
414 \def\thesis@english@bib@pages{p}
```

3.5.2.8 The locale/mu/fi/english.def file

This is the English locale file specific to the Faculty of Informatics at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value and updates the string in accordance with the requirements of the faculty. The file also defines the advisorSignature string required by the \thesis@blocks@titlePage block defined within the style/mu/fithesis3-fi.sty style file.

```
415 \ProvidesFile{fithesis3/locale/mu/fi/english.def}[2015/04/26]
416
417% Placeholders
418 \def\thesis@english@facultyName{Faculty of Informatics}
419 \def\thesis@english@assignment{Replace this page with a copy
420 of the official signed thesis assignment and the copy of the
421 Statement of an Author.}
422
423% Others
424 \def\thesis@english@advisorSignature{Signature of Thesis
425 \thesis@english@advisorTitle}
```

3.5.2.9 The locale/mu/phil/english.def file

This is the English locale file specific to the Faculty of Arts at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value.

```
426 \ProvidesFile{fithesis3/locale/mu/phil/english.def}[2015/04/18] 427 \def\thesis@english@facultyName{Faculty of Arts}
```

$3.5.2.10 \quad The \ locale/mu/ped/english.def \ file$

This is the Slovak locale file specific to the Faculty of Education at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value. The file also defines the bib@title and bib@pages strings required by the \thesis@blocks@bibEntry block defined within the style/mu/fithesis3-ped.sty style file.

```
428 \ProvidesFile{fithesis3/locale/mu/ped/english.def}[2015/04/26]
429
430% Placeholders
431 \def\thesis@english@facultyName{Faculty of Education}
```

```
432

433 % Bibliographic entry

434 \def\thesis@english@bib@title{Bibliographic record}

435 \def\thesis@english@bib@pages{p}
```

3.5.2.11 The locale/mu/sci/english.def file

This is the English locale file specific to the Faculty of Science at the Masaryk University in Brno. It defines the private macros required by the \thesis@blocks@bibEntryEn block defined within the style/mu/fithesis3-sci.sty style file. It also replaces the facultyName placeholder with the correct value and redefines the advisorTitle string in accordance with the formal requirements of the faculty.

```
436 \ProvidesFile{fithesis3/locale/mu/sci/english.def}[2015/04/18]
437
438 % Placeholders
439 \def\thesis@english@facultyName{Faculty of Science}
441 % Miscellaneous
442 \let\thesis@english@advisorTitleEn=\thesis@english@bib@advisor
443
444% Bibliographic entry
445 \def\thesis@english@bib@title{Bibliographic entry}
446 \let\thesis@english@bib@author\thesis@english@authorTitle
447 \def\thesis@english@bib@thesisTitle{Title of Thesis}
448 \def\thesis@english@bib@programme{Degree Programme}
449 \let\thesis@english@bib@field\thesis@english@fieldTitle
450 \def\thesis@english@bib@advisor{Supervisor}
451 \def\thesis@english@bib@academicYear{Academic Year}
452 \def\thesis@english@bib@pages{Number of Pages}
453 \let\thesis@english@bib@keywords\thesis@english@keywordsTitle
```

3.5.3 Czech locale files

3.5.3.1 The locale/czech.def file

This is the base file of the Czech locale. It defines all the private macros mandated by the locale file interface.

\thesis@czech@gender@koncovka

The locale file also defines the \thesis@czech@gender@koncovka macro, which expands to the correct verb ending based on the value of the \thesis@ifwoman macro and the \thesis@typeName@akuzativ containing the accusative case of the thesis type name.

```
454 \ProvidesFile{fithesis3/locale/czech.def}[2015/04/18]
455
456 % Pomocná makra
457 \def\thesis@czech@gender@koncovka{%
458 \ifthesis@woman a\fi}
459
460 % Zástupné texty
```

```
461 \def\thesis@czech@universityName{Název univerzity}
462 \def\thesis@czech@facultyName{Název fakulty}
463 \def\thesis@czech@assignment{Misto tohoto listu vložte kopii
   oficiálního podepsaného zadání práce.}
465 \def\thesis@czech@declaration{Text prohlášení ...}
467 % Různé
468 \def\thesis@czech@fieldTitle{Obor}
469 \def\thesis@czech@advisorTitle{Vedouci práce}
470 \def\thesis@czech@authorTitle{Autor}
471 \def\thesis@czech@abstractTitle{Shrnutí}
472 \def\thesis@czech@keywordsTitle{Klíčová slova}
473 \def\thesis@czech@thanksTitle{Poděkování}
474 \def\thesis@czech@declarationTitle{Prohlášení}
475 \def\thesis@czech@idTitle{ID}
476 \def\thesis@czech@winter{Jaro}
477 \def\thesis@czech@summer{Podzim}
478 \def\thesis@czech@semester{%
479 \thesis@{czech@\thesis@season} \thesis@year}
480 \def\thesis@czech@typeName{%
    \ifx\thesis@type\thesis@bachelors%
      Bakalářská práce%
482
    \else\ifx\thesis@type\thesis@masters%
483
      Diplomová práce%
484
    \else\ifx\thesis@type\thesis@doctoral%
485
      Disertační práce%
486
    \else\ifx\thesis@type\thesis@rigorous%
487
488
      Rigorózní práce%
489
    \else%
      <<Neznámý typ práce (\thesis@type)>>%
490
    \fi\fi\fi\fi\}
491
492 \def\thesis@czech@typeName@akuzativ{%
493
    \ifx\thesis@type\thesis@bachelors%
494
      Bakalářskou práci%
    \else\ifx\thesis@type\thesis@masters%
495
      Diplomovou práci%
496
    \else\ifx\thesis@type\thesis@doctoral%
497
498
      Disertační práci%
    \else\ifx\thesis@type\thesis@rigorous%
499
      Rigorózní práci%
500
501
    \else%
502
      <<Neznámý typ práce (\thesis@type)>>%
    \fi\fi\fi\fi\}
```

3.5.3.2 The locale/mu/czech.def file

This is the Czech locale file specific to the Masaryk University in Brno. It replaces the universityName placeholder with the correct value and defines the declaration and idTitle strings.

504 \ProvidesFile{fithesis3/locale/mu/czech.def}[2015/04/26]

```
505
506% Zástupné texty
507\def\thesis@czech@universityName{Masarykova Univerzita}
508\def\thesis@czech@declaration{Prohlašuji, že jsem
509 \thesis@lower{czech@typeName@akuzativ} zpracoval%
510 \thesis@czech@gender@koncovka\ samostatně a
511 použil\thesis@czech@gender@koncovka\ jen prameny
512 uvedené~v seznamu literatury.}
513
514% Různé
515\def\thesis@czech@idTitle{UČO}
```

3.5.3.3 The locale/mu/law/czech.def file

This is the Czech locale file specific to the Faculty of Law at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value, defines the facultyLongName required by the \thesis@blocks@cover and the \thesis@blocks@titlePage blocks and replaces the abstractTitle string in accordance with the requirements of the faculty.

```
516 \ProvidesFile{fithesis3/locale/mu/law/czech.def}[2015/04/26]
517
518 % Různé
519 \def\thesis@czech@abstractTitle{Abstrakt}
520
521 % Zástupné texty
522 \def\thesis@czech@facultyName{Právnická fakulta}
523 \def\thesis@czech@facultyLongName{Právnická fakulta Masarykovy
524 univerzity}
```

3.5.3.4 The locale/mu/fsps/czech.def file

This is the Czech locale file specific to the Faculty of Sports Studies at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value and the fieldTitle string in accordance with the common usage at the faculty.

```
525 \ProvidesFile{fithesis3/locale/mu/fsps/czech.def}[2015/04/27]
526
527 % Zástupné texty
528 \def\thesis@czech@facultyName{Fakulta sportovních studií}
529
530 % Různé
531 \def\thesis@czech@fieldTitle{Specializace}
```

3.5.3.5 The locale/mu/fss/czech.def file

This is the Czech locale file specific to the Faculty of Social Studies at the Masaryk University in Brno. It replaces the facultyName string with the correct value.

```
532 \ProvidesFile{fithesis3/locale/mu/fss/czech.def}[2015/04/26]
533
534% Zástupné texty
```

```
535 \def\thesis@czech@facultyName{Fakulta sociálních studií}
536 \def\thesis@czech@assignment{Misto tohoto listu
537 vložte kopie oficiálního podepsaného zadání práce nebo
538 prohlášení autora školního díla nebo obojí~v závislosti na
539 požadavcích příslušné katedry.}
540
```

3.5.3.6 The locale/mu/econ/czech.def file

This is the Czech locale file specific to the Faculty of Economics and Administration at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value.

```
541 \ProvidesFile{fithesis3/locale/mu/econ/czech.def}[2015/04/18] 542 \def\thesis@czech@facultyName{Ekonomicko-správní fakulta}
```

3.5.3.7 The locale/mu/med/czech.def file

This is the Czech locale file specific to the Faculty of Medicine at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value and redefines the abstractTitle string in accordance with the common usage at the faculty. The file also defines the bib@title and bib@pages strings required by the \thesis@blocks@bibEntry block defined within the style/mu/fithesis3-med.sty style file.

```
543 \ProvidesFile{fithesis3/locale/mu/med/czech.def}[2015/04/26]
544
545 % Různé
546 \def\thesis@czech@abstractTitle{Anotace}
547
548 % Zástupné texty
549 \def\thesis@czech@facultyName{Lékařská fakulta}
550
551 % Bibliografický záznam
552 \def\thesis@czech@bib@title{Bibliografický záznam}
553 \def\thesis@czech@bib@pages{str}
```

3.5.3.8 The locale/mu/fi/czech.def file

This is the Czech locale file specific to the Faculty of Informatics at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value and updates the declaration string in accordance with the requirements of the faculty. The file also defines the advisorSignature string required by the \thesis@blocks@titlePage block defined within the style/mu/fithesis3-fi.sty style file.

```
554 \ProvidesFile{fithesis3/locale/mu/fi/czech.def}[2015/04/18]
555
556% Zástupné texty
557 \def\thesis@czech@facultyName{Fakulta informatiky}
558 \def\thesis@czech@assignment{Misto tohoto listu
559 vložte kopie oficiálního podepsaného zadání práce a
```

```
prohlášení autora školního díla.}

561 \def\thesis@czech@declaration{%

Frohlašuji, že tato \thesis@lower{czech@typeName} je mým

původním autorským dílem, které jsem vypracoval%

\thesis@czech@gender@koncovka\ samostatně. Všechny zdroje,

prameny a literaturu, které jsem při vypracování

používal\thesis@czech@gender@koncovka\ nebo z~nich

čerpal\thesis@czech@gender@koncovka, v~práci řádně cituji

s~uvedením úplného odkazu na příslušný zdroj.}

569

570 % Ostatní

571 \def\thesis@czech@advisorSignature{Podpis vedoucího}
```

3.5.3.9 The locale/mu/phil/czech.def file

This is the Czech locale file specific to the Faculty of Arts at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value. It also defines the declaration string and redefines the typeName and typeName@akuzativ strings in accordance with the requirements of the faculty.

```
572 \ProvidesFile{fithesis3/locale/mu/phil/czech.def}[2015/04/26]
574 % Zástupné texty
575 \def\thesis@czech@facultyName{Filozofická fakulta}
576 \def\thesis@czech@declaration{%
    Prohlašuji, že jsem \thesis@@lower{typeName@akuzativ}
577
    vypracoval\thesis@czech@gender@koncovka\ samostatně~s využitím
    uvedené literatury.}
579
580
581 % Ostatní
582 \def\thesis@czech@typeName{%
583
    \ifx\thesis@type\thesis@bachelors%
      Bakalářská diplomová práce%
    \else\ifx\thesis@type\thesis@masters%
      Magisterská diplomová práce%
586
    \else\ifx\thesis@type\thesis@doctoral%
587
      Disertační práce%
588
    \else%
589
      <<Neznámý typ práce (\thesis@type)>>%
590
591 \fi\fi\fi}
592 \def\thesis@czech@typeName@akuzativ{%
    \ifx\thesis@type\thesis@bachelors%
593
      Diplomovou práci%
594
595
    \else\ifx\thesis@type\thesis@masters%
596
      Diplomovou práci%
597
    \else\ifx\thesis@type\thesis@doctoral%
      Disertační práci%
598
599
      <<Neznámý typ práce (\thesis@type)>>%
600
    \fi\fi\fi}
```

3.5.3.10 The locale/mu/ped/czech.def file

This is the Czech locale file specific to the Faculty of Education at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value. The file also defines the bib@title and bib@pages strings required by the \thesis@blocks@bibEntry block defined within the style/mu/fithesis3-ped.sty style file.

```
602 \ProvidesFile{fithesis3/locale/mu/ped/czech.def}[2015/04/26]
603
604% Zástupné texty
605 \def\thesis@czech@facultyName{Pedagogická fakulta}
606
607% Bibliografický záznam
608 \def\thesis@czech@bib@title{Bibliografický záznam}
609 \def\thesis@czech@bib@pages{str}
```

3.5.3.11 The locale/mu/sci/czech.def file

This is the Czech locale file specific to the Faculty of Science at the Masaryk University in Brno. It defines the private macros required by the \thesis@blocks@bibEntry block defined within the style/mu/fithesis3-sci.sty style file. It also replaces the facultyName placeholder with the correct value and redefines the abstractTitle and declaration strings in accordance with the formal requirements of the faculty.

```
610 \ProvidesFile{fithesis3/locale/mu/sci/czech.def}[2015/04/18]
612 % Zástupné texty
613 \def\thesis@czech@facultyName{Přírodovědecká fakulta}
615% Ostatní
616 \def\thesis@czech@abstractTitle{Abstrakt}
617 \def\thesis@czech@declaration{%
618 Prohlašuji, že jsem svoji \thesis@lower{czech@typeName@%
    akuzativ} vypracoval\thesis@czech@gender@koncovka\ samo%
    statně s~využitím informačních zdrojů, které jsou v~práci
621
    citovány.}
623 % Bibliografický záznam
624 \def\thesis@czech@bib@title{Bibliografický záznam}
625 \let\thesis@czech@bib@author\thesis@czech@authorTitle
626 \def\thesis@czech@bib@thesisTitle{Název práce}
627 \def\thesis@czech@bib@programme{Studijni program}
628 \let\thesis@czech@bib@field\thesis@czech@fieldTitle
629 \let\thesis@czech@bib@advisor\thesis@czech@advisorTitle
630 \def\thesis@czech@bib@academicYear{Akademický rok}
631 \def\thesis@czech@bib@pages{Počet stran}
632 \verb|\let\thesis@czech@bib@keywords\thesis@czech@keywordsTitle|
```

3.5.4 Slovak locale files

3.5.4.1 The locale/slovak.def file

This is the base file of the Slovak locale. It defines all the private macros mandated by the locale file interface.

\thesis@slovak@gender@koncovka

The locale file defines the \thesis@slovak@gender@koncovka macro, which expands to the correct verb ending based on the value of the \thesis@ifwoman macro.

```
633 \ProvidesFile{fithesis3/locale/slovak.def}[2015/04/18]
635 % Pomocná makrá
636 \def\thesis@slovak@gender@koncovka{%
   \ifthesis@woman a\fi}
639 % Zástupné texty
640 \def\thesis@slovak@universityName{Názov univerzity}
641 \def\thesis@slovak@facultyName{Názov fakulty}
642 \def\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
643 oficiálneho podpísaného zadania práce.}
644 \def\thesis@slovak@declaration{Text prehlásenie ...}
646 % Rôzne
647 \def\thesis@slovak@fieldTitle{Odbor}
648 \def\thesis@slovak@advisorTitle{Vedúci práce}
649 \def\thesis@slovak@authorTitle{Autor}
650 \def\thesis@slovak@abstractTitle{Zhrnutie}
651 \def\thesis@slovak@keywordsTitle{Kl'účové slová}
652 \def\thesis@slovak@thanksTitle{Podakovanie}
653 \def\thesis@slovak@declarationTitle{Prehlásenie}
654 \def\thesis@slovak@idTitle{ID}
655 \def\thesis@slovak@winter{Jar}
656 \def\thesis@slovak@summer{Jeseň}
657 \def\thesis@slovak@semester{%
658 \thesis@{slovak@\thesis@season} \thesis@year}
659 \def\thesis@slovak@typeName{%
660 \ifx\thesis@type\thesis@bachelors%
661
      Bakalárska práca%
662 \else\ifx\thesis@type\thesis@masters%
663
      Diplomová práca%
    \else\ifx\thesis@type\thesis@doctoral%
664
665
      Dizertačná práca%
666 \else\ifx\thesis@type\thesis@rigorous%
667
      Rigorózna práca%
668 \else%
      <<Neznámy typ práce (\thesis@type)>>%
670 fi\fi\fi\fi\
671 \def\thesis@slovak@typeName@akuzativ{%
672 \ifx\thesis@type\thesis@bachelors%
```

```
Bakalársku prácu%
673
    \else\ifx\thesis@type\thesis@masters%
674
      Diplomovú prácu%
675
676 \else\ifx\thesis@type\thesis@doctoral%
      Dizertačnú prácu%
677
    \else\ifx\thesis@type\thesis@rigorous%
678
679
      Rigoróznu prácu%
680
      <<Neznámy typ práce (\thesis@type)>>%
681
682 \fi\fi\fi\fi\}
```

3.5.4.2 The locale/mu/slovak.def file

This is the Slovak locale file specific to the Masaryk University in Brno. It replaces the universityName placeholder with the correct value and defines the declaration and idTitle strings.

```
683 \ProvidesFile{fithesis3/locale/mu/slovak.def}[2015/04/26]
684
685 % Zástupné texty
686 \def\thesis@slovak@universityName{Masarykova Univerzita}
687 \def\thesis@slovak@declaration{%
688    Prehlašujem, že som predloženú \thesis@lower{%
689    slovak@typeName@akuzativ} vypracoval%
690    \thesis@slovak@gender@koncovka\ samostatne len s~použitím
691    uvedenej literatúry a prameňov.}
692
693 % Rôzne
694 \def\thesis@slovak@idTitle{UČO}
```

3.5.4.3 The locale/mu/law/slovak.def file

This is the Slovak locale file specific to the Faculty of Law at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value, defines the facultyLongName required by the \thesis@blocks@cover and the \thesis@blocks@titlePage blocks and replaces the abstractTitle string in accordance with the requirements of the faculty.

```
695 \ProvidesFile{fithesis3/locale/mu/law/slovak.def}[2015/04/26]
696
697 % Rôzne
698 \def\thesis@slovak@abstractTitle{Abstrakt}
699
700 % Zástupné texty
701 \def\thesis@slovak@facultyName{Právnická fakulta}
702 \def\thesis@slovak@facultyLongName{Právnická fakulta Masarykovej
703 univerzity}
```

3.5.4.4 The locale/mu/fsps/slovak.def file

This is the Slovak locale file specific to the Faculty of Sports Studies at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value

and the fieldTitle string in accordance with the common usage at the faculty.

```
704 \ProvidesFile{fithesis3/locale/mu/fsps/slovak.def}[2015/04/18]
705
706% Zástupné texty
707 \def\thesis@slovak@facultyName{Fakulta športových štúdií}
708
709% Rôzne
710 \def\thesis@slovak@fieldTitle{Špecializácie}
```

3.5.4.5 The locale/mu/fss/slovak.def file

This is the Slovak locale file specific to the Faculty of Social Studies at the Masaryk University in Brno. It replaces the facultyName string with the correct value.

```
711 \ProvidesFile{fithesis3/locale/mu/fss/slovak.def}[2015/04/26]
712
713% Zástupné texty
714 \def\thesis@slovak@facultyName{Fakulta sociálnych štúdií}
715 \def\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
716 oficiálneho podpísaného zadania práce alebo prehlásenie autora
717 školského diela alebo obidve~v závislosti na požiadavkách
718 príslušnej katedry.}
```

3.5.4.6 The locale/mu/econ/slovak.def file

This is the Slovak locale file specific to the Faculty of Economics and Administration at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value.

```
719 \ProvidesFile{fithesis3/locale/mu/econ/slovak.def}[2015/04/18] 720 \def\thesis@slovak@facultyName{Ekonomicko-správna fakulta}
```

3.5.4.7 The locale/mu/med/slovak.def file

This is the Slovak locale file specific to the Faculty of Medicine at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value and redefines the abstractTitle string in accordance with the common usage at the faculty. The file also defines the bib@title and bib@pages strings required by the \thesis@blocks@bibEntry block defined within the style/mu/fithesis3-med.sty style file.

```
721 \ProvidesFile{fithesis3/locale/mu/med/slovak.def}[2015/04/26]
722
723 % Rôzne
724 \def\thesis@slovak@abstractTitle{Anotácie}
725
726 % Zástupné texty
727 \def\thesis@slovak@facultyName{Lekárska fakulta}
728
729 % Bibliografický zoznam
730 \def\thesis@slovak@bib@title{Bibliografický záznam}
731 \def\thesis@slovak@bib@pages{str}
```

3.5.4.8 The locale/mu/fi/slovak.def file

This is the Slovak locale file specific to the Faculty of Informatics at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value and updates the declaration string in accordance with the requirements of the faculty. The file also defines the advisorSignature string required by the \thesis@blocks@titlePage block defined within the style/mu/fithesis3-fi.sty style file.

```
732 \ProvidesFile{fithesis3/locale/mu/fi/slovak.def}[2015/04/18]
734 % Zástupné texty
735 \def\thesis@slovak@facultyName{Fakulta informatiky}
736 \def\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
737 oficiálneho podpísaného zadania práce a prehlásenie autora
738 školského diela.}
739 \def\thesis@slovak@declaration{%
740 Prehlasujem, že táto \thesis@lower{slovak@typeName} je mojím
    pôvodným autorským dielom, ktoré som vypracoval%
    \thesis@slovak@gender@koncovka\ samostatne. Všetky zdroje,
    pramene a literatúru, ktoré som pri vypracovaní
    používal\thesis@slovak@gender@koncovka\ alebo z~nich
    čerpal\thesis@slovak@gender@koncovka, v~práci riadne citujem
    s~uvedením úplného odkazu na príslušný zdroj.}
747
749 \def\thesis@slovak@advisorSignature{Podpis vedúceho}
```

3.5.4.9 The locale/mu/phil/slovak.def file

This is the Slovak locale file specific to the Faculty of Arts at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value. It also defines the declaration string and redefines the typeName and typeName@akuzativ strings in accordance with the requirements of the faculty.

```
750 \ProvidesFile{fithesis3/locale/mu/phil/slovak.def}[2015/04/26]
751
752 % Zástupné texty
753 \def\thesis@slovak@facultyName{Filozofická fakulta}
754 \def\thesis@slovak@declaration{%
755 Prehlašujem, že som predloženú \thesis@lower{%
756
    slovak@typeName@akuzativ} vypracoval%
757
    \thesis@slovak@gender@koncovka\ samostatne na
758
    základe vlastných zistení a len s~použitím
    uvedenej literatúry a prameňov.}
760
761 % Rôzne
762 \def\thesis@slovak@typeName{%
763 \ifx\thesis@type\thesis@bachelors%
      Bakalárska diplomová práca%
764
765 \else\ifx\thesis@type\thesis@masters%
```

```
Magisterská diplomová práca%
766
    \else\ifx\thesis@type\thesis@doctoral%
767
      Dizertačná práca%
768
    \else%
769
      <<Neznámy typ práce (\thesis@type)>>%
770
771 \fi\fi\fi}
772 \def\thesis@slovak@typeName@akuzativ{%
    \ifx\thesis@type\thesis@bachelors%
773
      Diplomovú prácu%
774
775 \else\ifx\thesis@type\thesis@masters%
      Diplomovú prácu%
776
    \else\ifx\thesis@type\thesis@doctoral%
777
778
      Dizertačnú prácu%
779
    \else%
      <<Neznámý typ práce (\thesis@type)>>%
780
    \fi\fi\fi}
```

3.5.4.10 The locale/mu/ped/slovak.def file

This is the Slovak locale file specific to the Faculty of Education at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value. The file also defines the bib@title and bib@pages strings required by the \thesis@blocks@bibEntry block defined within the style/mu/fithesis3-ped.sty style file.

```
782 \ProvidesFile{fithesis3/locale/mu/ped/slovak.def}[2015/04/18]
783
784% Zástupné texty
785 \def\thesis@slovak@facultyName{Pedagogická fakulta}
786
787% Bibliografický zoznam
788 \def\thesis@slovak@bib@title{Bibliografický záznam}
789 \def\thesis@slovak@bib@pages{str}
```

3.5.4.11 The locale/mu/sci/slovak.def file

This is the Slovak locale file specific to the Faculty of Science at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value.

```
790 \ProvidesFile{fithesis3/locale/mu/sci/slovak.def}[2015/04/18]
791
792% Zástupné texty
793 \def\thesis@slovak@facultyName{Prírodovedecká fakulta}
```

3.6 Style files

Style files define the structure and the look of the resulting document. They live in the style/ subtree and they are loaded during the main routine (see Section 3.1).

When creating a new style file, it is advisable to create one self-contained dtx file, which can contain several files to be extracted via the docstrip tool based on

the respective ins file. A macro \file{\filename}} is available for sectioning the documentation of various files within the dtx file. For more information about dtx files and the docstrip tool, consult the dtxtut, docstrip, doc and ltxdoc manuals.

3.6.1 Interface

The union of style files loaded via main routine's inheritance scheme (see Section 3.1) should define at least one of the following private macros:

\thesis@preamble

• \thesis@preamble – If autolayout is enabled, then this macro is expanded at the very beginning of the document.

\thesis@postamble

• \thesis@postamble – If autolayout is enabled, then this macro is expanded at the very end of the document.

3.6.2 Base style files

3.6.2.1 The style/fithesis3-base.sty file

If inheritance is enabled for style files, then this file is always the first style file to be loaded, regardless of the value of the \thesis@style macro. This style file is currently a dummy file.

```
794 \NeedsTeXFormat{LaTeX2e}
795 \ProvidesPackage{fithesis3/style/fithesis3-base}[2015/04/08]
```

3.6.2.2 The style/mu/fithesis3-base.sty file

This is the base style file for theses written at the Masaryk University in Brno. If inheritance is enabled for style files, then this file is always the second style file to be loaded right after style/base.sty, regardless of the value of the \thesis@style macro.

```
796 \ProvidesPackage{fithesis3/style/mu/fithesis3-base}[2015/05/30]
797 \NeedsTeXFormat{LaTeX2e}
```

The file recognizes the following options:

- 10pt, 11pt, 12pt Sets the type size to 10, 11 or 12 points respectively, along with the page geometry. The default type size is 12 points.
- oneside, twoside The document is going to be single- or double-sided. In a double-sided document headers, page numbering, margin notes and several other elements are rearranged based on the parity of the page. Blank pages are optionally inserted prior the beginning of the next chapter to ensure that it starts on an left-hand (even-numbered) page.

\ifthesis@twoside@

- The \ifthesis@twoside@ conditional is set to either false or true, respectively. This value can be tested in the subsequently loaded style files.
- onecolumn, twocolumn The document is going to be set in a single column or in two columns, respectively.

draft, final – Overful lines are or aren't marked within the document, respectively.

\ifthesis@palatino@

• palatino, nopalatino – The default roman and math font family is going to be either set to Palatino or left untouched, respectively. The \ifthesis@palatino@ conditional is set to either true or false, respectively. This value can be tested in the subsequently loaded style files.

The Palatino font is a part of the visual identity of the Faculty of Informatics, at which the document class was created.

\ifthesis@color@

- color, monochrome Certain typographical elements either are or aren't going to be typeset in color, respectively. The \ifthesis@color@ conditional is set to either true or false, respectively. This value can be tested in the subsequently loaded style files.
- \ifthesis@newtable@

• table, oldtable – If the \ifthesis@color@conditional is true, then the definition of the tabular and tabularx commands either are or aren't going to be altered to better match the style, respectively. The \ifthesis@newtable@conditional is set to either true or false, respectively.

The choice of the name is deliberate – the redefinition of the table environments depends on the xcolor package, which needs to be loaded with the table option. Since so many other packages depend on the xcolor package and this style file is loaded at the very end of the preamble, there would either be a great chance of an option clash, or the option would have to be passed to the xcolor package before the preamble from the body of the fithesis3 class thus breaking the encapsulation. Naming the option table forces the option to be processed by the xcolor package as well and it is therefore an elegant solution to the problem at hand.

\thesis@blocks@tables

• lot, nolot — \listoftables is or isn't going to be included in the \thesis@blocks@tables block, respectively.

 $\verb|\thesis@blocks@tables||$

• lof, nolof – \listoffigures is or isn't going to be included in the \thesis@blocks@tables block, respectively.

\thesis@blocks@cover

• cover, nocover – The \thesis@blocks@cover is or isn't going to expand to the thesis cover.

\ifthesis@cover@

The \ifthesis@cover@conditional is set to false or true, respectively. This value can be tested in the subsequently loaded style files.

```
798 \DeclareOption{10pt}{\def\thesis@ptsize{0}}
799 \DeclareOption{11pt}{\def\thesis@ptsize{1}}
800 \DeclareOption{12pt}{\def\thesis@ptsize{2}}
801 \newif\ifthesis@twoside@
802 \DeclareOption{oneside}{%
803 \thesis@twoside@false\@twosidefalse\@mparswitchfalse}
804 \DeclareOption{twoside}{%
805 \thesis@twoside@true \@twosidetrue \@mparswitchtrue}
```

```
806 \DeclareOption{onecolumn}{\@twocolumnfalse}
807 \DeclareOption{twocolumn}{\@twocolumntrue}
808 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
809 \DeclareOption{final}{\setlength\overfullrule{0pt}}
810 \newif\ifthesis@color@
811 \DeclareOption{monochrome}{\thesis@color@false}
812 \DeclareOption{color}{\thesis@color@true}
813 \newif\ifthesis@palatino@
814 \DeclareOption{palatino}{\thesis@palatino@true}
815 \DeclareOption{nopalatino}{\thesis@palatino@false}
816 \newif\ifthesis@newtable@
817 \DeclareOption{table}{\thesis@newtable@true}
818 \DeclareOption{oldtable}{\thesis@newtable@false}
819 \DeclareOption{nolot}{\def\thesis@blocks@lot{}}
820 \DeclareOption{lot}{\let\thesis@blocks@lot\listoftables}
821 \DeclareOption{nolof}{\def\thesis@blocks@lof{}}
822 \DeclareOption{lof}{\let\thesis@blocks@lof\listoffigures}
823 \newif\ifthesis@cover@
824 \DeclareOption{nocover}{\thesis@cover@false}
825 \DeclareOption{cover}{\thesis@cover@true}
These are the default options:
826 \ExecuteOptions{12pt, twoside, final, monochrome, palatino,
827 oldtable, lot, lof, nocover}
828 \ProcessOptions
```

The file loads the following packages:

- xcolor Adds support for color manipulation.
- ifxetex Used to detect the X¬T¬EX engine.
- ifluatex Used to detect the LuaTFX engine.
- graphix Adds support for the inclusion of graphics files.
- pdfpages Adds support for the injection of PDF documents into the resulting document, namely the thesis assignment.
- hyperref Adds support for injecting metadata into the resulting PDF document.
- keyval Adds support for parsing comma-delimited lists of key-value pairs.

```
829\thesis@require{xcolor}
830\thesis@require{graphicx}
831\thesis@require{pdfpages}
832\thesis@require{keyval}
833\thesis@require{ifxetex}
834\thesis@require{ifluatex}
```

\ifthesis@xeluatex

Using the \ifxetex and \ifluatex conditionals, a compound \ifthesis@xeluatex conditional was constructed. This conditional can be used by subsequently loaded style files to test,whether either the XHTEX or the LuaTEX engine is being used.

```
835 {\let\x\expandafter
836 \x\global\x\let\x\ifthesis@xeluatex\csname if%
837 \ifxetex true\else
838 \ifluatex\x\x\x t\x\x\x r\x\x\x u\x\x\x e%
839 \else f\x\x\x a\x\x\x l\x\x\x s\x\x\x e%
840 \fi
841 \fi\endcsname}
```

The following packages get only loaded, when the document is being typeset using the XaTeX or LuaTeX engine:

- fontspec Allows the selection of system-installed fonts.
- unicode-math Allows the selection of system-installed mathematical fonts.

Under X_HT_EX, the TeX Gyre Pagella and TeX Gyre Pagella Math are also selected as the main text and math fonts.

```
842 \ifthesis@xeluatex
843 \ifthesis@palatino@
844 \thesis@require{fontspec}
845 \thesis@require{unicode-math}
846 \setmainfont[Ligatures=TeX]{TeX Gyre Pagella}
847 \setmathfont[math-style=ISO,bold-style=ISO,vargreek-shape=TeX]%
848 {TG Pagella Math}
849 \fi
```

The following packages get only loaded, when the document is not being typeset using the XATEX engine and the \ifthesis@palatino@ conditional is true:

- cmap Places an an explicit ToUnicode map in the resulting PDF file, allowing for extraction of the text of the document.
- mathpazo The virtual mathpazo fonts will be used for math.
- tgpagella Changes the default roman font family to TeX Gyre Pagella.
- Imodern Changes the default sans-serif and monotype font faces to Latin Modern instead of the default Computer Modern font family.
- fontenc The font encoding is set to Cork.

```
850 \else
851 \ifthesis@palatino@
852 \RequirePackage[resetfonts]{cmap}
853 \thesis@require{lmodern}
854 \thesis@require{mathpazo}
855 \thesis@require{tgpagella}
856 \RequirePackage[T1]{fontenc}
857 \fi
858 \fi
```

If the \thesis@newtable@ and \thesis@color@ conditionals are true, then the following package gets loaded:

• tabularx – Provides the tabularx environment, which enables the typesetting of tables with variable-width columns.

Subsequently, the tabular and tabularx environments are redefined to better match the style of the given faculty.

The \thesis@newtable@old and \endthesis@newtable@old macros containing the original definition of the tabular environment are always defined and are available for subsequently loaded styles in case the typesetting of unaltered tables is required.

```
859 \let\thesis@newtable@old\tabular
860 \let\endthesis@newtable@old\endtabular
861\ifthesis@newtable@\ifthesis@color@
862 \thesis@require{tabularx}
    \thesis@require{booktabs}
863
    % The redefinition of 'tabular'
864
    \renewenvironment{tabular}%
      {\rowcolors{1}{thesis@color@tableOdd}%
866
                     {thesis@color@tableEven}%
867
       \thesis@newtable@old}%
868
      {\endthesis@newtable@old}
869
    % The redefinition of 'tabularx'
870
    \let\thesis@newtable@oldx\tabularx
    \let\endthesis@newtable@oldx\endtabularx
    \renewenvironment{tabularx}%
873
      {\rowcolors{1}{thesis@color@tableOdd}%
874
                     {thesis@color@tableEven}%
875
       \thesis@newtable@oldx}%
876
      {\endthesis@newtable@oldx}
877
878 % Adjust the measurements
    \setlength{\aboverulesep}{0pt}
    \setlength{\belowrulesep}{0pt}
    \setlength{\extrarowheight}{.75ex}
881
882\fi\fi
```

The hyperref package is configured to support both roman and arabic page numbering in one document and to decorate hyperlinks with an underline instead of a rectangular box.

Clubs and widows are set to be infinitely bad.

```
889 \widowpenalty 10000
890 \clubpenalty 10000
```

\thesis@color@setup

The file defines the $\text{ thesis@color@setup}{\langle colors\rangle}$ command, where *colors* is a comma-delimited list of key-value pairs as defined by the keyval package. The command can be invoked either by the subsequently loaded style files or by the user to define which colors will be used, when the color option is specified.

```
891 \def\thesis@color@setup#1{%
892 \setkeys{thesis@color}{#1}}
```

The following key-value pairs are supported:

- 1. ${\langle links=color \rangle}$ Sets the color of hyperref links to *color* and stores it under the name thesis@color@links. The default color of links is specified by the hyperref package.
- 2. $\{\langle tableOdd=color \rangle\}$ Stores the color of the odd rows of the redefined tabular and tabular x environments under the name thesis@color@tableOdd.
- 3. {\langle table Even=color\rangle} Stores the color of the even rows of the redefined tabular and tabular x environments under the name thesis@color@table Even.
- 4. $\{\langle tableEmph=color \rangle\}$ Stores the color of an emphasized cell in the table for usage by the user under the name thesis@color@tableEmph.

```
893 \define@key{thesis@color}{links}{%
894  \definecolor{thesis@color@links}#1
895  \hypersetup{linkbordercolor=thesis@color@links}}
896 \define@key{thesis@color}{tableOdd}{%
897  \definecolor{thesis@color@tableOdd}#1}
898 \define@key{thesis@color}{tableEven}{%
899  \definecolor{thesis@color@tableEven}#1}
900 \define@key{thesis@color}{tableEmph}{%
901  \definecolor{thesis@color@tableEmph}#1}
```

The file defines several blocks to be used in the redefinitions of the \thesis@preamble and \thesis@postable private macros by the subsequently loaded style files.

\thesis@blocks@frontMatter

The \thesis@blocks@frontMatter private macro sets up the style of the front matter of the thesis.

```
902 \def\thesis@blocks@frontMatter{%
903 \thesis@blocks@clear
904 \pagestyle{plain}
905 \parindent 1.5em
906 \setcounter{page}{1}
907 \pagenumbering{roman}}
```

\thesis@blocks@clear

The \thesis@blocks@clear private macro clears the current page along with the next left-handed (even-numbered) page, when double-sided typesetting is enabled.

```
908 \def\thesis@blocks@clear{%
909 \ifthesis@twoside@%
910 \clearpage%
```

```
911 \thispagestyle{empty}%
912 \cleardoublepage%
913 \else%
914 \newpage%
915 \fi}
```

\thesis@blocks@clearRight

The \thesis@blocks@clearRight private macro clears the current page along with the next right-handed (odd-numbered) page, when double-sided typesetting is enabled.

```
916 \def\thesis@blocks@clearRight{%
    \ifthesis@twoside@%
918
       \clearpage%
       \ifodd\value{page}%
919
         \thispagestyle{empty}%
920
921
         \hbox{}%
         \newpage%
922
       \fi%
924
    \else%
925
       \newpage%
926
    \fi}
```

s@blocks@facultyLogo@monochrome

The $\ensuremath{\mbox{\mbox{$\backslash$}}}\ensuremath{\mbox{\mbox{\backslash}}}$

```
927 \newcommand{\thesis@blocks@facultyLogo@monochrome}[1]%
928  [width=40mm]{{%
929  \edef\@path{\thesis@logopath\thesis@facultyLogo}%
930  \includegraphics[#1]{\@path}}}
```

thesis@blocks@facultyLogo@color

The $\t \end{array} In the sis@blocks@facultyLogo@color[$\langle options \rangle] private macro typesets either the <math>\t \end{array} in the sis@logopath the sis@color@conditional is false or the <math>\t \end{array} in the sis@logopath color/\t \end{array} in the given options passed to \end{array} in the sis@color@conditional is false or the $$\t \end{array} in the sis@facultyLogo logo otherwise with the given options passed to \end{array} in the sis@color@conditional is false or the $$\t \end{array} in the sis@color@conditional is false or the sis@conditional is false or the sis@conditional is false or the sis@conditional i$

```
931 \newcommand{\thesis@blocks@facultyLogo@color}[1]%
932    [width=40mm]{{%
933     \edef\@path{\thesis@logopath\ifthesis@color@%
934     color/\fi\thesis@facultyLogo}%
935    \includegraphics[#1]{\@path}}}
```

locks@universityLogo@monochrome

The \thesis@blocks@universityLogo@monochrome[$\langle options \rangle$] private macro typesets the \thesis@logopath\thesis@universityLogo logo with the given options passed to \includegraphics.

```
936 \newcommand{\thesis@blocks@universityLogo@monochrome}[1]%
937  [width=40mm]{{%
938   \edef\@path{\thesis@logopath\thesis@universityLogo}%
939  \includegraphics[#1]{\@path}}}
```

sis@blocks@universityLogo@color

The \thesis@blocks@universityLogo@color[\(\lambda\) private macro typesets either the \thesis@logopath\thesis@universityLogo logo, if the \ifthesis @color@conditionalis false or the \thesis@logopath color/\thesis@universityLogo logo otherwise with the given options passed to \includegraphics.

```
940 \newcommand{\thesis@blocks@universityLogo@color}[1]%
941  [width=40mm]{{%
942  \edef\@path{\thesis@logopath\ifthesis@color@%
943   color/\fi\thesis@universityLogo}%
944  \includegraphics[#1]{\@path}}}
```

\thesis@blocks@cover

The \thesis@blocks@cover private macro typesets the thesis cover. It is composed of three private macros:

\thesis@blocks@cover@header

- \thesis@blocks@cover@header The header of the cover page
- \thesis@blocks@cover@content
- \thesis@blocks@cover@content The content of the cover page
- \thesis@blocks@cover@footer
- \thesis@blocks@cover@footer The footer of the cover page

This allows the subsequently loaded style files to only redefine certain parts of the cover page.

```
945 \def\thesis@blocks@cover{%
946 \ifthesis@cover@%
      \thesis@blocks@clear%
947
      \ifthesis@twoside@\@twosidefalse\fi % Temporarily disable twoside
948
      \begin{alwayssingle}%
949
950
         \thispagestyle{empty}%
951
         \begin{center}%
           \thesis@blocks@cover@header%
952
           \thesis@blocks@facultyLogo@monochrome\\[0.4in]%
953
           \let\footnotesize\small%
954
           \let\footnoterule\relax{}%
955
           \thesis@blocks@cover@content%
956
957
           \par\vfill%
           \thesis@blocks@cover@footer%
958
         \end{center}%
959
       \end{alwayssingle}%
960
      \ifthesis@twoside@\@twosidetrue\fi % Re-enable twoside
961
    \fi}
962
```

The output of the \thesis@blocks@cover@header private macro is controlled by the following conditionals:

- 1. \ifthesis@blocks@cover@university@ This conditional expression determines, whether the university name is going to be included in the header of the cover. The default value of this conditional is true.
- 2. \ifthesis@blocks@cover@faculty@ This conditional expression determines, whether the faculty name is going to be included in the header of the cover. The default value of this conditional is true.

- 3. \ifthesis@blocks@cover@department@ This conditional expression determines, whether the department name is going to be included in the header of the cover. The default value of this conditional is false.
- 4. \ifthesis@blocks@cover@field@-This conditional expression determines, whether the field of study is going to be included in the header of the cover. The default value of this conditional is false.

The sebsequently loaded style files can alter the value of these conditionals to alter the output of the \thesis@blocks@cover@header private macro without altering its definition.

```
963 \newif\ifthesis@blocks@cover@university@
964 \thesis@blocks@cover@university@true
965 \newif\ifthesis@blocks@cover@faculty@
966 \thesis@blocks@cover@faculty@true
967 \newif\ifthesis@blocks@cover@department@
968 \thesis@blocks@cover@department@false
969 \newif\ifthesis@blocks@cover@field@
970 \thesis@blocks@cover@field@false
972 \def\thesis@blocks@cover@header{%
    {\sc\ifthesis@blocks@cover@university@%
           \thesis@titlePage@LARGE\thesis@@{universityName}\\%
974
     \fi\ifthesis@blocks@cover@faculty@%
975
           \thesis@titlePage@Large\thesis@@{facultyName}\\%
976
     \fi\ifthesis@blocks@cover@department@%
977
          \thesis@titlePage@large\thesis@department\\%
978
979
        \fi}
    \ifthesis@blocks@cover@field@%
980
      {\thesis@titlePage@large\vskip 1em%
981
        {\bf\thesis@@{fieldTitle}:} \thesis@field}%
982
983 \fi\vskip 2em}
984 \def\thesis@blocks@cover@content{%
985 {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}%
    \vskip 0.8in%
987 {\thesis@titlePage@large\sc\thesis@@{typeName}}\\[0.3in]%
988 {\thesis@titlePage@Large\bf\thesis@author}}
989 \def\thesis@blocks@cover@footer{%
990 {\thesis@titlePage@large\thesis@place, \thesis@@{semester}}}
```

\thesis@blocks@titlePage

The \thesis@blocks@titlePage private macro typesets the thesis title page. It is composed of three private macros:

- \thesis@blocks@titlePage@header The header of the cover page
- \thesis@blocks@titlePage@content The content of the cover page
- \thesis@blocks@titlePage@footer The footer of the cover page

This allows the subsequently loaded style files to only redefine certain parts of the title page. Depending on the value of the \ifthesis@color@ conditional,

the faculty logo is loaded from either θ , if false, or from θ thesis@logopath color/, if true.

```
991 \def\thesis@blocks@titlePage{%
       \thesis@blocks@clear%
993
       \begin{alwayssingle}%
994
         \thispagestyle{empty}%
995
         \begin{center}%
996
            \thesis@blocks@titlePage@header%
997
            \thesis@blocks@facultyLogo@color\\[0.4in]%
998
            \let\footnotesize\small%
999
            \let\footnoterule\relax{}%
1000
            \thesis@blocks@titlePage@content%
1001
            \par\vfill%
            \thesis@blocks@titlePage@footer%
1002
1003
         \end{center}%
       \end{alwayssingle}}
1004
```

The output of the \thesis@blocks@titlePage@header private macro is controlled by the following conditionals:

- 1. \ifthesis@blocks@titlePage@university@ This conditional expression determines, whether the university name is going to be included in the header of the title page. The default value of this conditional is true.
- 2. \ifthesis@blocks@titlePage@faculty@ This conditional expression determines, whether the faculty of study is going to be included in the header of the title page. The default value of this conditional is true.
- 3. \ifthesis@blocks@titlePage@department@ This conditional expression determines, whether the department name is going to be included in the header of the title page. The default value of this conditional is false.
- 4. \ifthesis@blocks@titlePage@field@ This conditional expression determines, whether the field of study is going to be included in the header of the title page. The default value of this conditional is false.

The sebsequently loaded style files can alter the value of these conditionals to alter the output of the \thesis@blocks@titlePage@header private macro without altering its definition.

```
1005 \newif\ifthesis@blocks@titlePage@university@
1006 \thesis@blocks@titlePage@university@true
1007 \newif\ifthesis@blocks@titlePage@faculty@
1008 \thesis@blocks@titlePage@faculty@true
1009 \newif\ifthesis@blocks@titlePage@department@
1010 \thesis@blocks@titlePage@department@false
1011 \newif\ifthesis@blocks@titlePage@field@
1012 \thesis@blocks@titlePage@field@false
1013
1014 \def\thesis@blocks@titlePage@header{%
1015 {\sc\ifthesis@blocks@titlePage@university@%
```

```
\fi\ifthesis@blocks@titlePage@faculty@%
                                                                                            1017
                                                                                                                                   \thesis@titlePage@Large\thesis@@{facultyName}\\%
                                                                                            1018
                                                                                                                  \fi\ifthesis@blocks@titlePage@department@%
                                                                                            1019
                                                                                                                                   \thesis@titlePage@large\thesis@department\\%
                                                                                            1020
                                                                                            1021
                                                                                                                            \fi}
                                                                                            1022
                                                                                                              \ifthesis@blocks@titlePage@field@%
                                                                                                                     {\thesis@titlePage@large\vskip 1em%
                                                                                            1023
                                                                                                                            {\bf\thesis@@{fieldTitle}:} \thesis@field}%
                                                                                            1024
                                                                                            1025 \fi\vskip 2em}
                                                                                            {\tt 1026 \ let \ thesis@blocks@titlePage@content=\ thesis@blocks@cover@content=\ thesis@cover@content=\ thesis@cover@cover@content=\ thesis@cover@cover@content=\ thesis@cover@cover@content=\ thesis@cover@cover@cover@content=\ thesis@cover@cover@cover@content=\ thesis@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@c
                                                                                            {\tt 1027 \ let \ thesis@blocks@titlePage@footer=\ thesis@blocks@cover@footer=\ thesis@cover@footer=\ thesis@cover@foot
                \thesis@blocks@tables
                                                                                            The \thesis@blocks@tables private macro typesets the table of contents and op-
                                                                                            tionally the \listoftables and the \listoffigures.
                                                                                            1028 \def\thesis@blocks@tables{%
                                                                                            1029 \thesis@blocks@clear%
                                                                                            1030
                                                                                                             \tableofcontents%
                                                                                            1031
                                                                                                              \thesis@blocks@lot%
                                                                                                            \thesis@blocks@lof}
                                                                                            The \thesis@blocks@declaration private macro typesets the declaration text.
\thesis@blocks@declaration
                                                                                            1033 \def\thesis@blocks@declaration{%
                                                                                                              \thesis@blocks@clear%
                                                                                            1034
                                                                                            1035
                                                                                                              \begin{alwayssingle}%
                                                                                                                     \chapter*{\thesis@@{declarationTitle}}%
                                                                                            1036
                                                                                            1037
                                                                                                                     \thesis@declaration%
                                                                                            1038
                                                                                                                     \vskip 2cm%
                                                                                            1039
                                                                                                                     \hfill\thesis@author%
                                                                                            1040
                                                                                                              \end{alwayssingle}}
                \thesis@blocks@thanks
                                                                                            The \thesis@blocks@thanks private macro typesets the acknowledgement, if the
                                                                                             \thesis@thanks private macro is defined.
                                                                                            1041 \def\thesis@blocks@thanks{%
                                                                                                             \ifx\thesis@thanks\undefined\else%
                                                                                            1042
                                                                                                                     \thesis@blocks@clear%
                                                                                            1043
                                                                                            1044
                                                                                                                     \begin{alwayssingle}%
                                                                                                                            \chapter*{\vspace*{\fill}\thesis@@{thanksTitle}}%
                                                                                            1045
                                                                                            1046
                                                                                                                            \thesis@thanks%
                                                                                            1047
                                                                                                                     \end{alwayssingle}%
                                                                                            1048
                                                                                                              \fi}
                                                                                            The \thesis@blocks@abstract private macro typesets the abstract.
         \thesis@blocks@abstract
                                                                                            1049 \def\thesis@blocks@abstract{%
                                                                                            1050 \begin{alwayssingle}%
                                                                                                                     \ensuremath{\text{\%}} Start the new chapter without clearing the right page
                                                                                            1051
                                                                                                                     {\def\cleardoublepage{}
                                                                                            1052
                                                                                            1053
                                                                                                                     \chapter*{\thesis@@{abstractTitle}}}%
                                                                                                                     \noindent\thesis@abstract%
                                                                                            1054
```

1016

\thesis@titlePage@LARGE\thesis@@{universityName}\\%

```
1055 \par\vfil\null%
1056 \end{alwayssingle}}
```

\thesis@blocks@abstractEn

The \thesis@blocks@abstractEn private macro typesets the abstract in English. If the current locale is English, the macro produces no output. A style file that uses this block needs to require the English locale.

```
1057 \def\thesis@blocks@abstractEn{%
     \ifthesis@english\else%
1058
1059
       \begin{alwayssingle}%
         % Start the new chapter without clearing the right page
1060
         {\def\cleardoublepage{}%
1061
         \chapter*{\thesis@{english@abstractTitle}}%
1062
         \thesis@abstractEn}%
1063
         \par\vfil\null%
1064
1065
       \end{alwayssingle}%
1066
     \fi}
```

\thesis@blocks@keywords

The \thesis@blocks@keywords private macro typesets the keywords.

\thesis@blocks@keywordsEn

The \thesis@blocks@keywordsEn private macro typesets the keywords in English. If the current locale is English, the macro produces no output. A style file that uses this block needs to require the English locale.

```
1075 \def\thesis@blocks@keywordsEn{%
     \ifthesis@english\else%
       \begin{alwayssingle}%
1077
1078
         % Start the new chapter without clearing the right page
         {\def\cleardoublepage{}%
1079
         \chapter*{\thesis@{english@keywordsTitle}}%
1080
         \thesis@TeXkeywordsEn}%
1081
1082
         \par\vfil\null%
1083
       \end{alwayssingle}%
1084
     \fi}
```

\thesis@blocks@assignment

The \thesis@blocks@assignment private macro either:

- Expands to an empty token list, when the first expansion of \thesis@assignmentPDF yields an empty token list or when the \ifthesis@blocks@assignment@conditional is false.
- Typesets a placeholder page to be replaced with the official thesis assignment, when \thesis@assignmentPDF is undefined and the \ifthesis@blocks @assignment@ conditional is true.

 Injects the PDF file(s) specified within the \thesis@assignmentPDF macro, when \thesis@assignmentPDF is defined, its first expansion yields a nonempty token list and the \ifthesis@blocks@assignment@ conditional is true.

\ifthesis@blocks@assignment@ The default value of the \ifthesis@blocks@assignment@ conditional is true.

```
1085 \newif\ifthesis@blocks@assignment@
1086 \thesis@blocks@assignment@true
1087 \def\thesis@blocks@assignment{%
     \ifthesis@blocks@assignment@%
1088
       \ifx\thesis@assignmentFiles\undefined%
1089
         % Typeset a placeholder page.
1090
          \thesis@blocks@clear%
1091
          \begin{alwayssingle}%
1092
1093
            \thispagestyle{empty}%
1094
            \addtocounter{page}{-\ifthesis@twoside@2\else1\fi}%
            \noindent\textit{\thesis@@{assignment}}%
1095
1096
          \end{alwayssingle}%
1097
       \else%
          {\edef\@pdfList{\thesis@assignmentFiles}%
1098
          \ifx\@pdfList\empty\else
1099
            \let\ea\expandafter
1100
            % Inject the specified PDF documents.
1101
            \def\@inject##1,{\thesis@blocks@clear
1102
              \def\@args{##1}\def\@relax{\relax}%
1103
              \ifx\@args\@relax\else%
1104
                % Trim leading spaces.
1105
                \edef\@trimmed{\romannumeral-'\.##1}%
1106
1107
                \includepdf[pages=-]\@trimmed
                \ea\@inject\fi}%
1108
1109
            \ea\@inject\@pdfList,\relax,%
1110
          \fi}%
1111
       \fi%
1112
```

\thesis@blocks@mainMatter

The \thesis@blocks@mainMatter private macro sets up the style of the main matter of the thesis.

```
1113 \def\thesis@blocks@mainMatter{%
     \thesis@blocks@clear
1114
     \setcounter{page}{1}
1115
1116
     \pagenumbering{arabic}
     \pagestyle{thesisheadings}
1117
     \parindent 1.5em\relax}
```

The rest of the file comprises redefinitions of LATEX commands and private rapport3 class macros altering the layout of the resulting document. Depending on the type size of 10, 11 or 12 points, either the fithesis3-10.clo, fithesis3-11.cloorfithesis3-12.clofile is loaded from the \thesis@stylepath mu directory, respectively.

```
1119% Table of contents will contain sectioning commands up to
1120% \subsubsection
1121 \setcounter{tocdepth}{4}
1122
1123% Load the 'fithesis3-1*.clo' size option
1126 \def\ps@thesisheadings{%
1127 \def\chaptermark##1{%
1128 \markright{%
1129 \ifnum\c@secnumdepth >\m@ne
1130 \thechapter.\ %
1131 \fi ##1}}
1132 \let\@oddfoot\@empty
1133 \let\@oddhead\@empty
1134 \def\@oddhead{\vbox{\hbox to \textwidth{%}}
1135 \hfil{\sc\rightmark}}\vskip 4pt\hrule}}
1136 \if@twoside
1137 \def\@evenhead{\vbox{\hbox to \textwidth{%}}
1138 {\sc\rightmark}\hfil}\vskip 4pt\hrule}}
1139 \else
1140 \let\@evenhead\@oddhead
1141 \fi
{\tt 1142 \backslash def \backslash end foot \{ \land fil \backslash PageFont \backslash the page \}}
1143 \if@twoside
1144 \def\@evenfoot{\PageFont\thepage\hfil}%
1145 \else
1146 \let\@evenfoot\@oddfoot
1147 \fi
1148 \det \mathbb{C}mkboth 
1149 }
1150
1151% Redefines the style of the chapter headings
1152 \renewcommand*\chapter{%
1153 \if@twoside
1154 \clearpage
1155 \thispagestyle{empty}
1156 \cleardoublepage
1157 \else
1158 \clearpage
1159\fi
1160 \thispagestyle{plain}%
1161 \global\@topnum\z@
1162 \@afterindentfalse
1163 \secdef\@chapter\@schapter}
1165% Redefines the style of part headings
1166 \renewcommand*\part{%
1167 \clearpage
1168 \thispagestyle{empty}
```

```
1169 \cleardoublepage
1170 \thispagestyle{empty}%
1171 \if@twocolumn%
1172 \onecolumn
1173 \@tempswatrue
1174 \else
1175 \@tempswafalse
1176\fi
1177 \hbox{}\vfil
1178 \secdef\@part\@spart}
1179
1180 \newif\if@restonecol
1181 \def\alwayssingle{%
     \@restonecolfalse\if@twocolumn\@restonecoltrue\onecolumn\fi}
{\tt 1183 \backslash def \backslash endal ways single \{ \land if@restonecol \backslash two column \backslash fi \}}
1184
1185 \renewcommand*\l@part[2]{%
     \ifnum \c@tocdepth >-2\relax
1187
        \addpenalty{-\@highpenalty}%
1188
        \addvspace{0.5em \@plus\p@}%
1189
        \begingroup
1190
          \setlength\@tempdima{3em}%
          \parindent \z@ \rightskip \@pnumwidth
1191
          \parfillskip -\@pnumwidth
1192
1193
          {\leavevmode
           \normalfont \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1194
           \nobreak
1195
             \global\@nobreaktrue
1196
             \everypar{\global\@nobreakfalse\everypar{}}%
1197
1198
        \endgroup
        \addvspace{0.2em \@plus\p@}%
1199
1200
     \fi}
1201
1202 \renewcommand*\l@chapter[2]{%
     \ifnum \c@tocdepth >\m@ne
1203
1204
        \addpenalty{-\@highpenalty}%
        \ \ 1.0em \ plus \p@
1205
        \step 1.5em
1206
1207
        \begingroup
1208
          \parindent \z@ \rightskip \@pnumwidth
1209
          \parfillskip -\@pnumwidth
1210
          \leavevmode \bfseries
          \verb|\advance| leftskip| @ tempdima \\
1211
          \hskip -\leftskip
1212
1213
          #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1214
          \penalty\@highpenalty
1215
        \endgroup
1216
     \fi}
1217
1218 \text{\ensuremath{\localine{1}{0em}{1.5em}}}
```

3.6.2.3 The style/mu/fit10.clo file

This file is conditionally loaded by the style/mu/base.sty file to redefine the page geometry to match the type size of 10 points.

```
1222 (*opt)
1223 (*10pt)
1224 \ProvidesFile{fit10.clo}[2015/04/08]
1227 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1228 \belowdisplayskip \abovedisplayskip
1229 \abovedisplayshortskip \z@ plus3\p@
1230 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1231 \let\@listi\@listI}
1233 \renewcommand{\small}{\fontsize\@ixpt{11}\selectfont%
1234 \abovedisplayskip 8.5\p@ plus3\p@ minus4\p@
1235 \belowdisplayskip \abovedisplayskip
1236 \abovedisplayshortskip \z@ plus2\p@
1237 \belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
1238 \def\@listi{\leftmargin\leftmargini
1239 \topsep 4\p@ plus2\p@ minus2\p@\parsep 2\p@ plus\p@ minus\p@
1240 \itemsep \parsep}}
1241
1242 \renewcommand{\footnotesize}{\fontsize\@viiipt{9.5}\selectfont%
1243 \abovedisplayskip 6\p@ plus2\p@ minus4\p@
1244 \belowdisplayskip \abovedisplayskip
1245 \abovedisplayshortskip \z@ plus\p@
1246 \belowdisplayshortskip 3\p@ plus\p@ minus2\p@
1247 \def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
1248 \topsep 3\p@ plus\p@ minus\p@\parsep 2\p@ plus\p@ minus\p@
1249 \itemsep \parsep}}
1250
1251 \renewcommand{\scriptsize}{\fontsize\@viipt{8pt}\selectfont}
1252 \renewcommand{\tiny}{\fontsize\@vpt{6pt}\selectfont}
\label{large} $$1253 \encommand{\large}{\fontsize\encommand{14pt}\selectfont}$
\label{large} $$1254 \encommand{\Large}{\fontsize\@xivpt{18pt}\selectfont}$
1255 \renewcommand{\LARGE}{\fontsize\@xviipt{22pt}\selectfont}
1256 \renewcommand{\huge}{\fontsize\@xxpt{25pt}\selectfont}
1257 \renewcommand{\Huge}{\fontsize\@xxvpt{30pt}\selectfont}
1259 (/10pt)
```

3.6.2.4 The style/mu/fit11.clo file

This file is conditionally loaded by the style/mu/base. sty file to redefine the page geometry to match the type size of 11 points.

```
1260 (*11pt)
1261 \ProvidesFile{fit11.clo}[2015/04/08]
1262
1264 \abovedisplayskip 11\p@ plus3\p@ minus6\p@
1265 \belowdisplayskip \abovedisplayskip
1266 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1267 %\abovedisplayshortskip \z@ plus3\@p
1268 \let\@listi\@listI}
1270 \mbox{ } 
1271 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1272 \belowdisplayskip \abovedisplayskip
1273 \abovedisplayshortskip \z@ plus3\p@
1274 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1275 \def\@listi{\leftmargin\leftmargini
1276 \topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
1277 \itemsep \parsep}}
1279 \renewcommand{\footnotesize}{\fontsize\@ixpt{11}\selectfont%
1280 \abovedisplayskip 8\p@ plus2\p@ minus4\p@
1281 \belowdisplayskip \abovedisplayskip
1282 \abovedisplayshortskip \z@ plus\p@
1283 \belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
1284 \def\@listi{\leftmargin\leftmargini
1285 \topsep 4\p@ plus2\p@ minus2\p@\parsep 2\p@ plus\p@ minus\p@
1286 \itemsep \parsep}}
1287
1288 \renewcommand{\scriptsize}{\fontsize\@viiipt{9.5pt}\selectfont}
1289 \renewcommand{\tiny}{\fontsize\@vipt{7pt}\selectfont}
1290 \renewcommand{\large}{\fontsize\@xiipt{14pt}\selectfont}
1291 \renewcommand{\Large}{\fontsize\@xivpt{18pt}\selectfont}
1292 \renewcommand{\LARGE}{\fontsize\@xviipt{22pt}\selectfont}
1293 \renewcommand{\huge}{\fontsize\@xxpt{25pt}\selectfont}
\label{localize} $$1294 \ensuremath{\localize} {\fontsize} \ensuremath{\localize} \ensure
1295
1296 (/11pt)
```

3.6.2.5 The style/mu/fit12.clo file

This file is conditionally loaded by the style/mu/base.sty file to redefine the page geometry to match the type size of 12 points. The type dimensions defined by the file are stored in the following private macros as well:

\thesis@titlePage@normalsize

- \thesis@titlePage@normalsize Equivalent to \normalsize
- \thesis@titlePage@small
- \thesis@titlePage@small Equivalent to \small

• \thesis@titlePage@footnotesize - Equivalent to \footnotesize \thesis@titlePage@footnotesize • \thesis@titlePage@scriptsize - Equivalent to \scriptsize \thesis@titlePage@scriptsize \thesis@titlePage@tiny • \thesis@titlePage@tiny - Equivalent to \tiny • \thesis@titlePage@large - Equivalent to \large \thesis@titlePage@large • \thesis@titlePage@Large - Equivalent to \Large \thesis@titlePage@Large • \thesis@titlePage@LARGE - Equivalent to \LARGE \thesis@titlePage@LARGE • \thesis@titlePage@huge - Equivalent to \huge \thesis@titlePage@huge • \thesis@titlePage@Huge - Equivalent to \Huge \thesis@titlePage@Huge

These private macros can be used to typeset elements, whose size should remain constant regardless of the font size setting.

```
1297 (*12pt)
1298 \ProvidesFile{fit12.clo}[2015/04/08]
1299 (/12pt)
1300
1301 \def\thesis@titlePage@normalsize{\fontsize\@xiipt{14.5}%
1302\selectfont\abovedisplayskip 12\p@ plus3\p@ minus7\p@
1303 \belowdisplayskip \abovedisplayskip
1304 \abovedisplayshortskip \z@ plus3\p@
1305 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1306 \let\@listi\@listI}
1307
1308 \def\thesis@titlePage@small{\fontsize\@xipt{13.6}\selectfont%
1309 \abovedisplayskip 11\p@ plus3\p@ minus6\p@
1310 \belowdisplayskip \abovedisplayskip
1311 \abovedisplayshortskip \z@ plus3\p@
1312 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1313 \def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
1314 \parsep 4.5\p@ plus2\p@ minus\p@
               \itemsep \parsep
               \topsep 9\p@ plus3\p@ minus5\p@}}
1316
1317
1318 \def\thesis@titlePage@footnotesize{\fontsize\@xpt{12}\selectfont%
1319 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1320 \belowdisplayskip \abovedisplayskip
1321 \abovedisplayshortskip \z@ plus3\p@
1322 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1323 \def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
1324 \topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
1325 \itemsep \parsep}}
1327 \def\thesis@titlePage@scriptsize{\fontsize\@viiipt{9.5pt}\selectfont}
1328 \def\thesis@titlePage@tiny{\fontsize\@vipt{7pt}\selectfont}
1329 \def\thesis@titlePage@large{\fontsize\@xivpt{18pt}\selectfont}
```

```
1330 \def\thesis@titlePage@Large{\fontsize\@xviipt{22pt}\selectfont}
1331 \def\thesis@titlePage@LARGE{\fontsize\@xxpt{25pt}\selectfont}
1333 \def\thesis@titlePage@Huge{\fontsize\@xxvpt{30pt}\selectfont}
1334
1335 (*12pt)
1336 \renewcommand{\normalsize}{\thesis@titlePage@normalsize}
1337 \renewcommand{\small}{\thesis@titlePage@small}
1338 \renewcommand{\footnotesize}{\thesis@titlePage@footnotesize}
1339 \renewcommand{\scriptsize}{\thesis@titlePage@scriptsize}
1340 \renewcommand{\tiny}{\thesis@titlePage@tiny}
1341 \renewcommand{\large}{\thesis@titlePage@large}
1342 \renewcommand{\Large}{\thesis@titlePage@Large}
1343 \renewcommand{\LARGE}{\thesis@titlePage@LARGE}
1344 \renewcommand{\huge}{\thesis@titlePage@huge}
1345 \renewcommand{\Huge}{\thesis@titlePage@Huge}
1346 (/12pt)
1347 \let\@normalsize\normalsize
1348 \normalsize
1349
1350 \if@twoside
      \oddsidemargin 0.75in
1351
      \evensidemargin 0.4in
1352
      \marginparwidth 0pt
1353
1354 \else
1355
      \oddsidemargin 0.75in
      \evensidemargin 0.75in
1356
1357
      \marginparwidth 0pt
1358 \fi
1359 \marginparsep 10pt
1360
1361 \topmargin 0.4in
1362
1363 \headheight 20pt
1364 \headsep 10pt
1365 \topskip 10pt
1366 \footskip 30pt
1368 (*10pt)
1369 \textheight = 43 \baselineskip
1370 \advance\textheight by \topskip
1371 \textwidth 5.0truein
1372 \columnsep 10pt
1373 \columnseprule 0pt
1375 \footnotesep 6.65pt
1376\skip\footins 9pt plus 4pt minus 2pt
1377 \floatsep 12pt plus 2pt minus 2pt
1378 \textfloatsep 20pt plus 2pt minus 4pt
1379 \intextsep 12pt plus 2pt minus 2pt
```

```
1380 \dblfloatsep 12pt plus 2pt minus 2pt
1381 \dbltextfloatsep 20pt plus 2pt minus 4pt
1382
1383 \@fptop Opt plus 1fil
1384 \@fpsep 8pt plus 2fil
1385 \@fpbot Opt plus 1fil
1386 \@dblfptop 0pt plus 1fil
1387 \@dblfpsep 8pt plus 2fil
1388 \@dblfpbot 0pt plus 1fil
1389 \marginparpush 5pt
1390
1391 \parskip Opt plus 1pt
1392 \partopsep 2pt plus 1pt minus 1pt
1394 \langle/10pt\rangle
1395 %
1396 \langle *11pt \rangle
1397 \textheight = 39\baselineskip
1398 \advance\textheight by \topskip
1399 \textwidth 5.0truein
1400 \columnsep 10pt
1401 \columnseprule 0pt
1402
1403 \footnotesep 7.7pt
1404\skip\footins 10pt plus 4pt minus 2pt
1405 \floatsep 12pt plus 2pt minus 2pt
1406 \textfloatsep 20pt plus 2pt minus 4pt
1407 \intextsep 12pt plus 2pt minus 2pt
1408 \dblfloatsep 12pt plus 2pt minus 2pt
1409 \dbltextfloatsep 20pt plus 2pt minus 4pt
1410
1411 \@fptop 0pt plus 1fil
1412 \@fpsep 8pt plus 2fil
1413 \@fpbot Opt plus 1fil
1414 \@dblfptop 0pt plus 1fil
1415 \@dblfpsep 8pt plus 2fil
1416 \@dblfpbot Opt plus 1fil
1417 \marginparpush 5pt
1418
1419 \parskip Opt plus Opt
1420 \partopsep 3pt plus 1pt minus 2pt
1421
1422 (/11pt)
1423 %
1424 (*12pt)
1425 \textheight = 37\baselineskip
1426 \advance\textheight by \topskip
1427 \textwidth 5.0truein
1428 \columnsep 10pt
1429 \columnseprule 0pt
```

```
1431 \footnotesep 8.4pt
1432 \skip\footins 10.8pt plus 4pt minus 2pt
1433 \floatsep 14pt plus 2pt minus 4pt
1434 \textfloatsep 20pt plus 2pt minus 4pt
1435 \intextsep 14pt plus 4pt minus 4pt
1436 \dblfloatsep 14pt plus 2pt minus 4pt
1437 \dbltextfloatsep 20pt plus 2pt minus 4pt
1438
1439 \@fptop Opt plus 1fil
1440 \@fpsep 10pt plus 2fil
1441 \@fpbot 0pt plus 1fil
1442 \@dblfptop 0pt plus 1fil
1443 \@dblfpsep 10pt plus 2fil
1444 \@dblfpbot 0pt plus 1fil
1445 \marginparpush 7pt
1446
1447 \parskip Opt plus Opt
1448 \partopsep 3pt plus 2pt minus 2pt
1449
1450 (/12pt)
1451 \@lowpenalty
1452 \@medpenalty 151
1453 \@highpenalty 301
1454 \@beginparpenalty -\@lowpenalty
                                                             -\@lowpenalty
1455 \@endparpenalty
1456 \@itempenalty
                                                              -\@lowpenalty
1457
1458 \def\@makechapterhead#1{%
1459
              {%
1460
                      \setlength\parindent{\z@}%
1461
                      \space{20} \space{20
1462
                      \ifnum
                           \c@secnumdepth >\m@ne
1463
1464
                           \par\nobreak
1465
                           \vskip 10\p@
1466
                      \Large \ChapFont \thechapter{} \space #1\par
1467
1468
                      \nobreak
1469
                      1470
               }%
1471 }
1472
1473 \def\@makeschapterhead#1{%
1474
             {%
1475
                     \setlength\parindent{\z@}%
1476
                      \setlength\parskip {\z@}%
                      \Large \ChapFont #1\par
1477
                     \nobreak
1478
                     \vskip 20\p@
1479
```

```
1480 }%
1481 }
1482
1483 \def\chapter{%
      \clearpage
1484
1485
      \thispagestyle{plain}
1486
      \global\@topnum\z@
1487
      \@afterindentfalse
      \secdef\@chapter\@schapter
1488
1489 }
1490
1491 \ensuremath{\mbox{\sc 1491}} $$ \ensuremath{\mbox{\sc 1491}} $$
     \ifnum \c@secnumdepth
       >\m@ne
1493
       \refstepcounter{chapter}%
1494
       \typeout{\@chapapp\space\thechapter.}%
1495
       \addcontentsline{toc}{chapter}{\protect
1496
       \numberline{\thechapter}\bfseries #1}
1497
1498
     \else%
1499
       \addcontentsline{toc}{chapter}{\bfseries #1}
1500
     \chaptermark{#1}%
1501
     \addtocontents{lof}%
1502
     {\protect\addvspace{4\p@}}
1503
1504
     \addtocontents{lot}%
1505
     {\protect\addvspace{4\p@}}
     \if@twocolumn
1506
       \@topnewpage[\@makechapterhead{#2}]%
1507
     \else
1508
       \@makechapterhead{#2}%
1509
       \@afterheading
1510
1511
     \fi
1512 }
1513
1514 \, \& def\ence{1}{if@twocolumn \enco} e lead{\#1}]\%
            \else \@makeschapterhead{#1}%
1515 %
                   \mathsf{markright}\{\#1\}
1516~\%
                   \@afterheading\fi}
1517 %
1518
1519 \def\section{\@startsection {section}{1}{\z@}{-3.5ex plus-1ex minus
       -.2ex}{2.3ex plus.2ex}{\reset@font\large\bfseries}}
minus-.2ex}{1.5ex plus.2ex}{\reset@font\normalsize\bfseries}}
1522
1523 \def\subsubsection{\@startsection{subsubsection}{3}{\z@}{-3.25ex plus
       -1ex minus-.2ex}{1.5ex plus.2ex}{\reset@font\normalsize}}
1525 \def\paragraph{\@startsection
1526
       {paragraph}{4}{\z@}{3.25ex plus1ex minus.2ex}{-1em}{\reset@font}
1527
       \normalsize\bfseries}}
1528 \def\subparagraph{\@startsection
        {subparagraph}{4}{\parindent}{3.25ex plus1ex minus
1529
```

```
.2ex}{-1em}{\reset@font\normalsize\bfseries}}
1530
1531
1532 \setcounter{secnumdepth}{2}
1533
1534 \def\appendix{\par
1535
     \setcounter{chapter}{0}%
1536
     \setcounter{section}{0}%
1537
     \def\@chapapp{\appendixname}%
     \def\thechapter{\Alph{chapter}}}
1538
1539
1540 \leftmargini 2.5em
1541 \leftmarginii 2.2em
                            % > \labelsep + width of '(m)'
1542 \leftmarginiii 1.87em % > \labelsep + width of 'vii.'
1543 \leftmarginiv 1.7em
                            % > \labelsep + width of 'M.'
1544 \leftmarginv 1em
1545 \leftmarginvi 1em
1546
1547 \leftmargin\leftmargini
1548 \labelsep .5em
1549 \labelwidth\leftmargini\advance\labelwidth-\labelsep
1551 (*10pt)
1552 \def\@listI{\leftmargin\leftmargini \parsep 4\p@ plus2\p@ minus\p@%
1553 \topsep 8\p@ plus2\p@ minus4\p@
1554\itemsep 4\p@ plus2\p@ minus\p@}
1555
1556 \let\@listi\@listI
1557 \@listi
1558
1559 \def\@listii{\leftmargin\leftmarginii
      \labelwidth\leftmarginii\advance\labelwidth-\labelsep
1560
1561
      \topsep 4\p@ plus2\p@ minus\p@
1562
      \parsep 2\p@ plus\p@ minus\p@
      \itemsep \parsep}
1563
1564
1565 \def\@listiii{\leftmargin\leftmarginiii
       \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1566
       \topsep 2\p@ plus\p@ minus\p@
1567
1568
       \parsep \z@ \partopsep\p@ plus\z@ minus\p@
       \itemsep \topsep}
1569
1570
1571 \def\@listiv{\leftmargin\leftmarginiv
        \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1572
1573
1574 \def\@listv{\leftmargin\leftmarginv
1575
        \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1576
1577 \def\@listvi{\leftmargin\leftmarginvi
1578
        \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1579 (/10pt)
```

```
1580 %
1581 (*11pt)
1582 \ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{$\ensuremath{
1583 \topsep 9\p@ plus3\p@ minus5\p@
1584 \itemsep 4.5\p@ plus2\p@ minus\p@}
1586 \let\@listi\@listI
1587 \@listi
1588
1589 \def\@listii{\leftmargin\leftmarginii
               \labelwidth\leftmarginii\advance\labelwidth-\labelsep
1590
1591
               \topsep 4.5\p@ plus2\p@ minus\p@
1592
               \parsep 2\p@ plus\p@ minus\p@
               \itemsep \parsep}
1593
1594
1595 \def\@listiii{\leftmargin\leftmarginiii
                 \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1596
                 \topsep 2\p@ plus\p@ minus\p@
1597
1598
                 \parsep \z@ \partopsep \p@ plus\z@ minus\p@
1599
                 \itemsep \topsep}
1600
1601 \def\@listiv{\leftmargin\leftmarginiv
                    \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1602
1603
1604 \def\@listv{\leftmargin\leftmarginv
1605
                   \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1606
1607 \def\@listvi{\leftmargin\leftmarginvi
                    \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1608
1609 (/11pt)
1610~\%
1611 (*12pt)
1612 \def\@listI{\leftmargin\leftmargini \parsep 5\p@ plus2.5\p@ minus\p@
1613 \topsep 10\p@ plus4\p@ minus6\p@
1614 \itemsep 5\p@ plus2.5\p@ minus\p@}
1615
1616 \let\@listi\@listI
1617 \@listi
1618
1619 \def\@listii{\leftmargin\leftmarginii
1620
               \labelwidth\leftmarginii\advance\labelwidth-\labelsep
1621
               \topsep 5\p@ plus2.5\p@ minus\p@
               \parsep 2.5\p@ plus\p@ minus\p@
1622
               \itemsep \parsep}
1623
1624
1625 \def\@listiii{\leftmargin\leftmarginiii
1626
                 \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1627
                 \topsep 2.5\p@ plus\p@ minus\p@
1628
                 \parsep \z@ \partopsep \p@ plus\z@ minus\p@
1629
                 \itemsep \topsep}
```

```
1630
1631 \def\@listiv{\leftmargin\leftmarginiv}
1632 \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1633
1634 \def\@listv{\leftmargin\leftmarginv}
1635 \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1636
1637 \def\@listvi{\leftmargin\leftmarginvi}
1638 \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1639 \langle /12pt \tag{000}
1640 \langle /0pt \rangle
```

3.6.3 The style files of the Faculty of Informatics

3.6.3.1 The style/mu/fithesis3-fi.sty file

This is the style file for the theses written at the Faculty of Informatics at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty¹.

```
1641 \NeedsTeXFormat{LaTeX2e}
1642 \ProvidesPackage{fithesis3/style/mu/fithesis3-fi}[2015/05/02]
```

The file defines the color scheme of the respective faculty.

```
1643 \thesis@color@setup{
1644   links={HTML}{FFD451},
1645   tableEmph={HTML}{FFD451},
1646   tableOdd={HTML}{FFF9E5},
1647   tableEven={HTML}{FFECB3}}
```

In case of rigorous and doctoral theses, the style file hides the thesis assignment in accordance with the formal requirements of the faculty.

```
1648\ifx\thesis@type\thesis@bachelors\else
1649\ifx\thesis@type\thesis@masters\else
1650 \thesis@blocks@assignment@false
1651\fi\fi
```

\thesis@blocks@titlePage

The style file redefines the cover and title page footers to include the thesis advisor's name and signature in case of a rigorous thesis. Along with the macros required by the locale file interface, the locale files need to define the following private macros:

\thesis@advisorSignature

 \thesis@advisorSignature - The label of the advisor signature field typeset in the case of a rigorous thesis

¹See http://www.fi.muni.cz/docs/BP_DP_na_FI.pdf

```
% thesis advisor.
1657
        \ifx\thesis@type\thesis@rigorous%
1658
          {\thesis@titlePage@large\\[0.3in]
1659
            {\bf\thesis@@{advisorTitle}:} \thesis@advisor}
1660
        \fi}%
1661
1662 \def\thesis@blocks@titlePage@footer{%
     {\thesis@titlePage@large\thesis@place, \thesis@@{semester}
     % If this is a rigorous thesis, create space for the advisor's
1664
     % signature
1665
     \ifx\thesis@type\thesis@rigorous%
1666
        \let\@A\relax\newlength{\@A}
1667
          \settowidth{\@A}{\thesis@@{advisorSignature}}
1668
          \left(\A\right)_{\A}
1669
        \fill\ack {-0.5em}{\operatorname{parbox}{\@A}{}}
1670
          \centering
1671
          \rule{\@A}{1pt}\\
1672
          \thesis@@{advisorSignature}
1673
1674
       }}
1675
     \fi}}
```

\thesis@blocks@declaration

The \thesis@blocks@declaration private macro typesets the declaration text. Compared to the definition within the style/mu/base.sty file, this private macro also typesets the advisor's name at the bottom of the page.

```
1676 \def\thesis@blocks@declaration{%
     \thesis@blocks@clear%
1677
     \begin{alwayssingle}%
1678
        \chapter*{\thesis@@{declarationTitle}}%
1679
        \thesis@declaration%
1680
1681
        \vskip 2cm%
        \hfill\thesis@author%
1682
1683
        \par\vfill%
        \textbf{\thesis@@{advisorTitle}:} \thesis@advisor%
1684
        \par\vfil%
1685
     \end{alwayssingle}}
1686
```

The style file defines the autolayout preamble as the cover and the title page followed by the assignment, declaration, acknowledgement, abstract, keywords, table of contents and list of tables and figures as a part of the front matter. All blocks beside \thesis@titlePage are defined in the style/mu/base.sty file.

```
1687 \def\thesis@preamble{%
     \thesis@blocks@cover%
1688
     \thesis@blocks@titlePage%
1689
     \thesis@blocks@frontMatter%
1690
       \thesis@blocks@assignment%
1691
       \thesis@blocks@declaration%
1692
       \thesis@blocks@thanks%
1693
       \thesis@blocks@clearRight%
1694
          \thesis@blocks@abstract%
1695
          \thesis@blocks@keywords%
1696
```

```
1697 \thesis@blocks@tables%
1698 \thesis@blocks@mainMatter}
```

3.6.4 The style files of the Faculty of Science

3.6.4.1 The style/mu/fithesis3-sci.sty file

This is the style file for the theses written at the Faculty of Science at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty².

```
1699 \NeedsTeXFormat{LaTeX2e}
1700 \ProvidesPackage{fithesis3/style/mu/fithesis3-sci}[2015/05/30]
```

The file defines the color scheme of the respective faculty.

```
1701 \thesis@color@setup{
1702 links={HTML}{20E366},
1703 tableEmph={HTML}{8EDEAA},
1704 tableOdd={HTML}{EDF7F1},
1705 tableEven={HTML}{CCEDD8}}
```

In addition to the main locale, the file also requires the Czech and English locales.

```
1706 \thesis@requireLocale{czech}
1707 \thesis@requireLocale{english}
```

The file loads the following packages:

- tikz Used for dimension arithmetic.
- geometry Used for the modifications of the type area dimensions.

```
1708 \thesis@require{tikz}
1709 \thesis@require{changepage}
```

In case of rigorous and doctoral theses, the style file hides the thesis assignment in accordance with the formal requirements of the faculty.

```
1710 \ifx\thesis@type\thesis@bachelors\else
1711 \ifx\thesis@type\thesis@masters\else
1712 \thesis@blocks@assignment@false
1713 \fi\fi
```

\thesis@blocks@bibEntry

The \thesis@blocks@bibEntry private macro typesets a bibliographical entry. Along with the macros required by the locale file interface, the locale files need to define the following private macros:

 \t the sis@czech@bib@title

 \thesis@czech@bib@title - The title of the \thesis@blocks@bib@title block

\thesis@czech@bib@author

\thesis@czech@bib@author - The label of the author name entry

\thesis@czech@bib@title

• \thesis@czech@bib@title - The label of the title name entry

\thesis@czech@bib@programme

• \thesis@czech@bib@programme - The label of the programme name entry

\thesis@czech@bib@field

• \thesis@czech@bib@field - The label of the field name entry

\thesis@czech@bib@advisor

\thesis@czech@bib@advisor - The label of the advisor name entry

\thesis@czech@bib@academicYear

\thesis@czech@bib@academicYear - The label of the academic year entry

\thesis@czech@bib@pages

• \thesis@czech@bib@pages - The label of the number of pages entry

\thesis@czech@bib@keywords

• \thesis@czech@bib@keywords - The label of the keywords entry

```
1714 \def\thesis@blocks@bibEntry{%
1715 \begin{alwayssingle}
       {% Start the new chapter without clearing the right page
1716
1717
       {\def\cleardoublepage{}%
       \chapter*{\thesis@czech@bib@title}}%
1718
      % Calculate the width of the columns
1719
      \left( A\right) \simeq \left( A\right) 
1720
        \bf\thesis@czech@bib@author:}}
1721
      \left(\B\right)\
1722
1723
        \bf\thesis@czech@bib@thesisTitle:}}
1724
       \ \left( \C\right) \
        \bf\thesis@czech@bib@programme:}}
1725
       \left(\D\right)\
1726
        \bf\thesis@czech@bib@field:}}
1727
      % Unless this is a rigorous thesis, we will be typesetting the
1728
      % name of the thesis advisor.
1729
       \let\@E\relax\newlength{\@E}
1730
        \ifx\thesis@type\thesis@rigorous%
1731
1732
          \setlength{\@E}{0pt}%
        \else%
1733
          \settowidth{\@E}{{\bf\thesis@czech@bib@advisor:}}
1734
1735
        \fi%
1736
       1737
         \bf\thesis@czech@bib@academicYear:}}
       \let\@G\relax\newlength{\@G}\settowidth{\@G}{{%
1738
        \bf\thesis@czech@bib@pages:}}
1739
       \left(\end{A}\right) \
1740
        \bf\thesis@czech@bib@keywords:}}
1741
       \let\@skip\relax\newlength{\@skip}\setlength{\@skip}{16pt}
1742
1743
       \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
        max(\@A,\@B,\@C,\@D,\@E,\@F,\@G,\@H)}
1744
1745
       \let\@right\relax\newlength{\@right}\setlength{\@right}{%
        \textwidth-\@left-\@skip}
1746
      % Typeset the table
1747
       \renewcommand{\arraystretch}{2}
1748
1749
       \noindent\begin{thesis@newtable@old}%
1750
        {@{}p{\@left}@{\hskip\@skip}p{\@right}@{}}
1751
         \textbf{\thesis@czech@bib@author:} &
1752
          \noindent\parbox[t]{\@right}{
```

²See http://www.sci.muni.cz/NW/predpisy/od/OD-2014-05.pdf

```
\thesis@author\\
1753
              \thesis@czech@facultyName,
1754
              \thesis@czech@universityName\\
1755
              \thesis@department
1756
1757
            }\\
          \textbf{\thesis@czech@bib@thesisTitle:}
1758
1759
            & \thesis@title \\
          \textbf{\thesis@czech@bib@programme:}
1760
            & \thesis@programme \\
1761
          \textbf{\thesis@czech@bib@field:}
1762
1763
            & \thesis@field \\
1764
          % Unless this is a rigorous thesis, typeset the name of the
         % thesis advisor.
1765
          \ifx\thesis@type\thesis@rigorous\else%
1766
            \textbf{\thesis@czech@bib@advisor:}
1767
              & \thesis@advisor \\
1768
          \fi
1769
          \textbf{\thesis@czech@bib@academicYear:}
1770
1771
            & \thesis@academicYear \\
1772
          \textbf{\thesis@czech@bib@pages:}
1773
            & \thesis@pages \\
          \textbf{\thesis@czech@bib@keywords:}
1774
            & \thesis@TeXkeywords \\
1775
       \end{thesis@newtable@old}}
1776
1777
     \end{alwayssingle}}
```

\thesis@blocks@bibEntryEn

The \thesis@blocks@bibEntryEn private macro typesets a bibliographical entry in English. Along with the macros required by the locale file interface, the locale files need to define the following private macros:

\thesis@english@bib@title

• \thesis@english@bib@title - The title of the \thesis@blocks@bibEntryEn block

\thesis@english@bib@author

\thesis@english@bib@author - The label of the author name entry

\thesis@english@bib@title

• \thesis@english@bib@title - The label of the title name entry

\thesis@english@bib@programme

• \thesis@english@bib@programme - The label of the programme name entry

\thesis@english@bib@field

• \thesis@english@bib@field - The label of the field name entry

\thesis@english@bib@advisor

\thesis@english@bib@advisor - The label of the advisor name entry

\thesis@english@bib@academicYear • \thesis@english@bib@academicYear - The label of the academic year entry

\thesis@english@bib@pages

• \thesis@english@bib@pages - The label of the number of pages entry

\thesis@english@bib@keywords

• \thesis@english@bib@keywords - The label of the keywords entry

```
1778 \def\thesis@blocks@bibEntryEn{%
1779 {\def\thesis@locale{english}
1780 \begin{alwayssingle}
```

```
% Start the new chapter without clearing the right page
1781
      {\def\cleardoublepage{}%
1782
      \chapter*{\thesis@english@bib@title}}%
1783
      {% Calculate the width of the columns
1784
      \left( \mathbb{A}\right) 
1785
1786
        \bf\thesis@english@bib@author:}}
1787
      \left(\B\right)\
1788
        \bf\thesis@english@bib@thesisTitle:}}
      \ \left( \C\right) \
1789
1790
        \bf\thesis@english@bib@programme:}}
      \left(\D\right)\
1791
1792
        \bf\thesis@english@bib@field:}}
1793
      % Unless this is a rigorous thesis, we will be typesetting
      % the name of the thesis advisor.
1794
      \let\@E\relax\newlength{\@E}
1795
        \ifx\thesis@type\thesis@rigorous%
1796
          \setlength{\@E}{0pt}%
1797
1798
        \else%
1799
          \settowidth{\@E}{{\bf\thesis@english@bib@advisor:}}
1800
        \fi%
      \left( \F \right) \
1801
        \bf\thesis@english@bib@academicYear:}}
1802
      \ \left( \G\right) \simeq \G(\G) \
1803
        \bf\thesis@english@bib@pages:}}
1804
1805
      \left(\end{A}\right) \
        \bf\thesis@english@bib@keywords:}}
1806
      \let\@skip\relax\newlength{\@skip}\setlength{\@skip}{16pt}
1807
1808
      \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
        1809
      1810
        \textwidth-\@left-\@skip}
1811
1812
      % Typeset the table
1813
      \renewcommand{\arraystretch}{2}
1814
      \noindent\begin{thesis@newtable@old}%
        {@{}p{\@left}@{\hskip\@skip}p{\@right}@{}}
1815
          \textbf{\thesis@english@bib@author:} &
1816
            \noindent\parbox[t]{\qright}{
1817
1818
              \thesis@author\\
              \thesis@english@facultyName,
1819
              \thesis@english@universityName\\
1820
1821
              \thesis@departmentEn
            }\\
1822
          \textbf{\thesis@english@bib@thesisTitle:}
1823
            & \thesis@titleEn \\
1824
1825
          \textbf{\thesis@english@bib@programme:}
1826
            & \thesis@programmeEn \\
1827
          \textbf{\thesis@english@bib@field:}
1828
            & \thesis@fieldEn \\
          % Unless this is a rigorous thesis, typeset the name of the
1829
          % thesis advisor.
1830
```

```
\ifx\thesis@type\thesis@rigorous\else%
1831
              \textbf{\thesis@english@bib@advisor:}
1832
                & \thesis@advisor \\
1833
            \fi
1834
            \textbf{\thesis@english@bib@academicYear:}
1835
              & \thesis@academicYear \\
1836
1837
            \textbf{\thesis@english@bib@pages:}
1838
              & \thesis@pages \\
            \textbf{\thesis@english@bib@keywords:}
1839
              & \thesis@TeXkeywordsEn \\
1840
          \end{thesis@newtable@old}}
1841
1842
        \end{alwayssingle}
1843
```

\thesis@blocks@frontMatter

The \thesis@blocks@frontMatter private macro sets up the style of the front matter front matter of the thesis. The front matter is typeset without any visible numbering, as mandated by the formal requirements of the faculty.

```
1844 \def\thesis@blocks@frontMatter{%
1845 \pagestyle{empty}
1846 \parindent 1.5em
1847 \setcounter{page}{1}
1848 \pagenumbering{roman}}
```

\thesis@blocks@cover

The \thesis@blocks@cover private macro typesets the thesis cover.

```
1849 \def\thesis@blocks@cover{%
1850
     \ifthesis@cover@
1851
       \thesis@blocks@clear
       \ifthesis@twoside@\@twosidefalse\fi % Temporarily disable twoside
1852
1853
       \begin{alwayssingle}
1854
          \thispagestyle{empty}
          \begin{center}
1855
          {\sc\thesis@titlePage@LARGE\thesis@czech@universityName\\%
1856
              \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%
1857
              \thesis@titlePage@large\thesis@department}
1858
          \vfill
1859
          {\bf\thesis@titlePage@Huge\thesis@czech@typeName}
1860
          \vfill
1861
          {\thesis@titlePage@large\thesis@place
1862
1863
           \ \thesis@year\hfill\thesis@author}
1864
          \end{center}
       \end{alwayssingle}
1865
       \ifthesis@twoside@\@twosidetrue\fi % Re-enable twoside
1866
1867
     \fi}
```

\thesis@blocks@titlePage

The \thesis@blocks@titlePage private macro typesets the thesis title page. Depending on the value of the \ifthesis@color@ conditional, the faculty logo is loaded from either \thesis@logopath, if false, or from \thesis@logopath color/, if true.

1868 \def\thesis@blocks@titlePage{{%

```
\edef\thesis@logopath@color{\thesis@logopath\ifthesis@color@ color/\fi}
1869
     \thesis@blocks@clear
1870
     \ifthesis@twoside@\@twosidefalse\fi % Temporarily disable twoside
1871
     \begin{alwayssingle}
1872
       \thispagestyle{empty}
1873
       % The top of the page
1874
1875
       \begin{adjustwidth}{-12mm}{}
1876
         \begin{minipage}{30mm}
           \thesis@blocks@universityLogo@color[width=30mm]
1877
         \end{minipage}\begin{minipage}{89mm}
1878
           \begin{center}
1879
             1880
                 \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%
1881
                 \thesis@titlePage@normalsize\thesis@department}
1882
             \rule{\textwidth}{2pt}\vspace*{2mm}
1883
           \end{center}
1884
         \end{minipage}\begin{minipage}{30mm}
1885
           \thesis@blocks@facultyLogo@color[width=30mm]
1886
1887
         \end{minipage}
1888
       \end{adjustwidth}
       % The middle of the page
1889
       \vfill
1890
       {\bf\thesis@titlePage@Huge\thesis@TeXtitle\[0.8em]}
1891
       {\thesis@titlePage@large\thesis@czech@typeName\\[1em]}
1892
1893
       {\bf\thesis@titlePage@LARGE\thesis@author}\\
       \vfill\noindent
1894
       % The bottom of the page
1895
       {\bf\thesis@titlePage@normalsize%
1896
         % Unless this is a rigorous thesis, typeset the name of the
1897
         % thesis advisor.
1898
         \ifx\thesis@type\thesis@rigorous\else%
1899
1900
             \thesis@czech@advisorTitle: \thesis@advisor\hfill%
1901
         \fi%
         \thesis@place\ \thesis@year}
1902
     \end{alwayssingle}
1903
     \ifthesis@twoside@\@twosidetrue\fi}} % Re-enable twoside
1904
```

The style file defines the autolayout preamble as the cover and the title page followed by the bibliographic entry, the abstract assignment, acknowledgement, table of contents and list of tables and figures as a part of the front matter. All the blocks beside \thesis@blocks@bibEntry and \thesis@blocks@bibEntryEn are defined in the style/mu/base.sty file. The entire front matter is typeset as though the locale were Czech in accordance with the formal requirements of the faculty.

```
\thesis@blocks@clearRight%
1910
          \thesis@blocks@bibEntry%
1911
          \thesis@blocks@bibEntryEn%
1912
          \thesis@blocks@abstract%
1913
          \thesis@blocks@abstractEn%
1914
1915
       \thesis@blocks@assignment%
1916
       \thesis@blocks@thanks%
       \thesis@blocks@declaration%
1917
       \thesis@blocks@tables}%
1918
     \thesis@blocks@mainMatter}
1919
```

3.6.5 The style files of the Faculty of Arts

3.6.5.1 The style/mu/fithesis3-phil.sty file

This is the style file for the theses written at the Faculty of Arts at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty³.

```
1920 \NeedsTeXFormat{LaTeX2e}
1921 \ProvidesPackage{fithesis3/style/mu/fithesis3-phil}[2015/05/30]
The file defines the color scheme of the respective faculty.
1922 \thesis@color@setup{
1923    links={HTML}{6FCEF2},
1924    tableEmph={HTML}{78CEF0},
1925    tableOdd={HTML}{EBF6FA},
```

The style file configures the title page header to include the department and the field name.

```
1927 \thesis@blocks@titlePage@department@true
1928 \thesis@blocks@titlePage@field@true
```

tableEven={HTML}{D0EBF5}}

1926

The style file defines the autolayout preamble as the cover and the title page followed by the declaration, acknowledgement table of contents and the optional list of tables and figures as a part of the front matter. All blocks are defined in the style/mu/base.sty file.

```
1929 \def\thesis@preamble{%
1930 \thesis@blocks@cover%
1931 \thesis@blocks@titlePage%
1932 \thesis@blocks@frontMatter%
1933 \thesis@blocks@declaration%
1934 \thesis@blocks@thanks%
1935 \thesis@blocks@tables%
1936 \thesis@blocks@mainMatter}
```

³See http://is.muni.cz/auth/do/1421/4581421/Vzor_bakalarske_prace.pdf

3.6.6 The style files of the Faculty of Education

3.6.6.1 The style/mu/fithesis3-ped.sty file

This is the style file for the theses written at the Faculty of Education at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty⁴.

```
1937 \NeedsTeXFormat{LaTeX2e}
1938 \ProvidesPackage{fithesis3/style/mu/fithesis3-ped}[2015/05/30]
```

The file defines the color scheme of the respective faculty.

```
1939 \thesis@color@setup{
1940 links={HTML}{FFA02F},
1941 tableEmph={HTML}{FFBB6B},
1942 tableOdd={HTML}{FFF1E0},
1943 tableEven={HTML}{FFDEB7}}
```

In addition to the main locale, the file also requires the English locale.

1944 \thesis@requireLocale{english}

The style file configures the title page header to include the department name and the title page content to include advisor's name.

\thesis@blocks@bibEntry

The \thesis@blocks@bibEntry private macro typesets a bibliographical entry. Along with the macros required by the locale file interface, the *locale* files need to define the following private macros:

- \thesis@locale@bib@title The title of the \thesis@blocks@bib@title block
- \thesis@locale@bib@pages The abbreviation of pages used in the bibliographical entry

```
1953 \def\thesis@blocks@bibEntry{%
1954  \chapter*{\thesis@e{bib@title}}
1955  \noindent\thesis@upper{author@tail}, \thesis@author@head.
1956  \emph{\thesis@title}. \thesis@place: \thesis@e{universityName},
1957  \thesis@e{facultyName}, \thesis@department, \thesis@year.
1958  \thesis@pages\ \thesis@e{bib@pages}.
1959  \thesis@e{advisorTitle}: \thesis@advisor}
```

⁴See http://is.muni.cz/do/ped/VPAN/pokdek/Pokyn_dekana_c._1-2010__2_.pdf

The style file defines the autolayout preamble as the cover and the title page followed by the bibliographical entry, abstracts, keywords, declaration, acknowledgement, table of contents and list of tables and figures as a part of the front matter. All blocks beside \thesis@blocks@bibEntry are defined in the style/mu/base.sty file.

```
1960 \def\thesis@preamble{%
     \thesis@blocks@cover%
1961
     \thesis@blocks@titlePage%
1962
     \thesis@blocks@frontMatter%
1963
       \thesis@blocks@bibEntry%
1964
       \thesis@blocks@clearRight%
1965
         \thesis@blocks@abstract%
1966
         \thesis@blocks@abstractEn%
1967
         \thesis@blocks@keywords%
1968
         \thesis@blocks@keywordsEn%
1969
1970
       \thesis@blocks@declaration%
1971
       \thesis@blocks@thanks%
1972
       \thesis@blocks@tables%
     \thesis@blocks@mainMatter}
1973
```

3.6.7 The style files of the Faculty of Social Studies

3.6.7.1 The style/mu/fithesis3-fss.sty file

This is the style file for the theses written at the Faculty of Social Studies at the Masaryk University in Brno. Because of the inexistence of faculty-wide formal requirements and recommendations with each department defining their own with varying degrees of rigour⁵, this style is a mere skeleton, which is unlikely to satisfy the exact requirements of any department and will require modification by the user.

```
1974 \NeedsTeXFormat{LaTeX2e}
1975 \ProvidesPackage{fithesis3/style/mu/fithesis3-fss}[2015/05/30]
The file defines the color scheme of the respective faculty.
1976 \thesis@color@setup{
1977    links={HTML}{58EDD7},
1978    tableEmph={HTML}{69D6C6},
1979    tableOdd={HTML}{E3F1EE},
1980    tableEven={HTML}{C5E3DF}}
```

In addition to the main locale, the file also requires the English locale.

1981 \thesis@requireLocale{english}

\thesis@blocks@frontMatter

The \thesis@blocks@frontMatter private macro sets up the style of the front matter of the thesis.

```
5See http://psych.fss.muni.cz/node/351, http://medzur.fss.
muni.cz/informace-pro-studenty/pravidla-pro-diplomky/soubory/
PravidlaprozaverecnepracenaKMSZ-ver.2-83.doc, http://soc.fss.muni.cz/?q=node/44,
http://polit.fss.muni.cz/informace-pro-studenty/pol/, http://humenv.fss.muni.cz/
studium/bakalarske-studium/pravidla-pro-vypracovani-bakalarske-prace
```

```
1982 \def\thesis@blocks@frontMatter{%
1983  \pagestyle{plain}
1984  \parindent 1.5em
1985  \setcounter{page}{1}
1986  \pagenumbering{roman}}
```

The style file defines the autolayout preamble as the cover and the title page followed by the abstracts, keywords, assignment, declaration, acknowledgement, table of contents and list of tables and figures as a part of the front matter. All blocks are defined in the style/mu/base.sty file.

```
1987 \def\thesis@preamble{%
1988
     \thesis@blocks@cover%
1989
     \thesis@blocks@titlePage%
     \thesis@blocks@frontMatter%
1990
       \thesis@blocks@clearRight%
1991
          \thesis@blocks@abstract%
1992
          \thesis@blocks@abstractEn%
1993
          \thesis@blocks@keywords%
1994
1995
          \thesis@blocks@keywordsEn%
       \thesis@blocks@assignment%
1996
       \thesis@blocks@declaration%
1997
1998
       \thesis@blocks@thanks%
       \thesis@blocks@tables%
1999
     \thesis@blocks@mainMatter}
2000
```

3.6.8 The style files of the Faculty of Law

3.6.8.1 The style/mu/fithesis3-law.sty file

This is the style file for the theses written at the Faculty of Law at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty⁶.

```
2001 \NeedsTeXFormat{LaTeX2e}
2002 \ProvidesPackage{fithesis3/style/mu/fithesis3-law}[2015/05/30]
The file defines the color scheme of the respective faculty.
2003 \thesis@color@setup{
2004    links={HTML}{CF86EB},
2005    tableEmph={HTML}{D39BE8},
2006    tableOdd={HTML}{F2EBF5},
2007    tableEven={HTML}{E5CCED}}
```

In addition to the main locale, the file also requires the English locale.

```
2008 \thesis@requireLocale{english}
```

The style file configures the cover and title page headers to include only the faculty name and the department name. Along with the macros required by the locale file interface, the locale files need to define the following private macros:

⁶See http://is.muni.cz/do/law/ud/predp/smer/S-07-2012.pdf

• \thesis@locale@facultyLongName - The name of the faculty combined with the name of the university.

\thesis@blocks@frontMatter

The \thesis@blocks@frontMatter private macro sets up the style of the front matter of the thesis. The page numbering is arabic as per the formal requirements.

```
2013 \def\thesis@blocks@frontMatter{%
2014 \thesis@blocks@clear
2015 \pagestyle{plain}
2016 \parindent 1.5em
2017 \setcounter{page}{1}
2018 \pagenumbering{arabic}}
```

\thesis@blocks@mainMatter

The \thesis@blocks@mainMatter private macro sets up the style of the main matter of the thesis. The page numbering doesn't reset at the beginning of the main thesis as per the formal requirements.

```
2019 \def\thesis@blocks@mainMatter{%
2020 \thesis@blocks@clear
2021 \pagestyle{thesisheadings}
2022 \parindent 1.5em\relax}
```

The style file defines the autolayout preamble as the cover and the title page followed by the declaration, abstracts, keywords, acknowledgement, table of contents and list of tables and figures as a part of the front matter. All blocks are defined in the style/mu/base.sty file.

```
2023 \def\thesis@preamble{%
2024 \thesis@blocks@cover%
2025 \thesis@blocks@titlePage%
2026 \thesis@blocks@frontMatter%
2027
       \thesis@blocks@declaration%
       \thesis@blocks@clearRight%
2028
         \thesis@blocks@abstract%
2029
         \thesis@blocks@abstractEn%
2030
         \thesis@blocks@keywords%
2031
         \thesis@blocks@keywordsEn%
2032
2033
       \thesis@blocks@thanks%
       \thesis@blocks@tables%
2034
     \thesis@blocks@mainMatter}
```

The style file defines the autolayout postamble as the assignment. This block is defined in the style/mu/base.sty file.

```
2036 \def\thesis@postamble{%
2037 \thesis@blocks@assignment}
```

3.6.9 The style files of the Faculty of Economics and Administration

3.6.9.1 The style/mu/fithesis3-econ.sty file

This is the style file for the theses written at the Faculty of Economics and Administration at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty⁷.

```
2038 \NeedsTeXFormat{LaTeX2e}
2039 \ProvidesPackage{fithesis3/style/mu/fithesis3-econ}[2015/05/30]
```

The file defines the color scheme of the respective faculty.

```
2040 \thesis@color@setup{
2041    links={HTML}{E68935},
2042    tableEmph={HTML}{E8B88B},
2043    tableOdd={HTML}{F5ECEB},
2044    tableEven={HTML}{EBD8D5}}
```

In addition to the main locale, the file also requires the English locale.

2045 \thesis@requireLocale{english}

The file loads the following packages:

- tikz Used for dimension arithmetic.
- geometry Allows for modifications of the type area dimensions.

In addition to this, the type area width is set to 16 cm in accordance with the formal requirements of the faculty. This leads to overfull lines and is against the good conscience of the author of this style.

```
2046 \thesis@require{tikz}
2047 \thesis@require{geometry}
2048 \geometry{top=25mm,bottom=20mm,left=25mm,right=25mm,includeheadfoot}
```

\thesis@blocks@cover

The \thesis@blocks@cover private macro typesets the thesis cover.

```
2049 \def\thesis@blocks@cover{%
     \ifthesis@cover@
2050
2051
       \thesis@blocks@clear
2052
        \begin{alwayssingle}
          \thispagestyle{empty}
2053
2054
          \begin{center}
          {\sc\thesis@titlePage@LARGE\thesis@@{universityName}\\%
2055
              \thesis@titlePage@Large\thesis@@{facultyName}\\}
2057
          {\bf\thesis@titlePage@Huge\thesis@@{typeName}}
2058
          \vfill
2059
          {\tt \{\thesis@titlePage@large\thesis@place}\\
2060
           \ \thesis@year\hfill\thesis@author}
2061
          \end{center}
2062
        \end{alwayssingle}
2063
2064
     \fi}
```

 $^{^{7}\}mathbf{See}$ http://is.muni.cz/auth/do/econ/predpisy/smernice/prehled/45931363/Smernice2014-9.pdf

The style file configures the title page header to include the name of the field of study and redefines the title page content not to include the author's name and the title page footer to include both the author's and advisor's name, the year and place of the thesis defense as per the requirements of the faculty.

```
2065 \thesis@blocks@titlePage@field@true
2066 \def\thesis@blocks@titlePage@content{%
    {\thesis@titlePage@Huge\bf\thesis@TeXtitle}
    \ifthesis@english\else
2068
      {\\[0.1in]\thesis@titlePage@Large\bf\thesis@TeXtitleEn}
2069
    fi {\[0.3in]\thesis@titlePage@large\sc\thesis@{typeName}\)}
2070
2071 \def\thesis@blocks@titlePage@footer{%
    {\thesis@titlePage@large
2073
      {% Calculate the width of the thesis author and advisor boxes
2074
       \left( \mathbb{A}\right) 
         \bf\thesis@@{advisorTitle}:}}
2075
       2076
       \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
2077
2078
         \bf\thesis@@{authorTitle}:}}
       \let\@D\relax\newlength{\\@D}\settowidth{\\\@D}{\thesis@author}
2079
      \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
2080
2081
        max(\@A,\@B)
      \let\@right\relax\newlength{\@right}\pgfmathsetlength{\@right}{%
2082
        max(\@C,\@D)}
2083
      % Typeset the thesis author and advisor boxes
2084
      \vskip 2in\begin{minipage}[t]{\@left}
2085
2086
        {\bf\thesis@@{advisorTitle}:}\\thesis@advisor
      2087
2088
        {\bf\thesis@@{authorTitle}:}\\thesis@author
      \end{minipage}}\\[4em]\thesis@place, \thesis@year}}
2089
```

\thesis@blocks@frontMatter

The \thesis@blocks@frontMatter private macro sets up the style of the front matter of the thesis. The page numbering is arabic as per the formal requirements and it is hidden. In case of double-sided typesetting, the geometry is altered according to the requirements of the faculty.

```
2090 \def\thesis@blocks@frontMatter{%
2091 \thesis@blocks@clear
2092  % In case of double-sided typesetting, change the geometry
2093 \ifthesis@twoside@
2094  \newgeometry{top=25mm,bottom=20mm,left=35mm,
2095    right=15mm, includeheadfoot}
2096  \fi\pagestyle{empty}
2097  \parindent 1.5em
2098  \setcounter{page}{1}
2099  \pagenumbering{arabic}}
```

\thesis@blocks@mainMatter

The \thesis@blocks@mainMatter private macro sets up the style of the main matter of the thesis. The page numbering doesn't reset at the beginning of the main thesis as per the formal requirements.

2100 \def\thesis@blocks@mainMatter{%

```
2101 \thesis@blocks@clear
2102 \pagestyle{thesisheadings}
2103 \parindent 1.5em\relax}
```

\thesis@blocks@toc

The \thesis@blocks@toc private macro typesets the table of contents.

```
2104 \def\thesis@blocks@toc{%
2105 \thesis@blocks@clear%
2106 \tableofcontents}
2107 % \end{macro}\begin{macro}{\thesis@blocks@tables}
2108 % The |\thesis@blocks@tables| private macro optionally typesets the
2109 % |\listoftables| and |\listoffigures|.
2110 % \begin{macrocode}
2111 \def\thesis@blocks@tables{%
2112 \thesis@blocks@clear%
2113 \thesis@blocks@lot%
2114 \thesis@blocks@lof}
```

The style file defines the autolayout preamble as the cover and the title page followed by the abstracts, keywords, declaration, acknowledgement and table of contents. All blocks are defined in the style/mu/base.sty file, although some are redefined in this file.

```
2115 \def\thesis@preamble{%
2116 \thesis@blocks@cover%
    \thesis@blocks@frontMatter%
2117
       \thesis@blocks@titlePage%
2118
       \thesis@blocks@assignment%
2119
       \thesis@blocks@clearRight%
2120
2121
         \thesis@blocks@abstract%
         \thesis@blocks@abstractEn%
2122
2123
         \thesis@blocks@keywords%
2124
         \thesis@blocks@keywordsEn%
       \thesis@blocks@declaration%
2125
       \thesis@blocks@thanks%
2126
       \thesis@blocks@toc%
2127
     \thesis@blocks@mainMatter}
```

The style file defines the autolayout postamble as the list of tables and the list of figures. All blocks are defined in the style/mu/base.sty file, although some are redefined in this file.

```
2129 \def\thesis@postamble{%
2130 \thesis@blocks@tables}
```

3.6.10 The style files of the Faculty of Medicine

3.6.10.1 The style/mu/fithesis3-med.sty file

This is the style file for the theses written at the Faculty of Medicine at the Masaryk University in Brno. It has been prepared in accordance with the formal require-

ments published at the website of the Department of Optometry and Orthoptics⁸.

```
2131 \NeedsTeXFormat{LaTeX2e}
2132 \ProvidesPackage{fithesis3/style/mu/fithesis3-med}[2015/05/30]
```

The file defines the color scheme of the respective faculty.

```
2133 \thesis@color@setup{
2134    links={HTML}{F58E76},
2135    tableEmph={HTML}{FF9D85},
2136    tableOdd={HTML}{FFF5F6},
2137    tableEven={HTML}{FFDEDF}}
```

In addition to the main locale, the file also requires the English locale.

2138 \thesis@requireLocale{english}

The file loads the following packages:

- tikz Used for dimension arithmetic.
- geometry Allows for modifications of the type area dimensions.
- setspace Allows for line height modifications.

In addition to this, the type area width is set to 16 cm in accordance with the formal requirements of the faculty. This leads to overfull lines and is against the good conscience of the author of this style.

```
2139 \thesis@require{tikz}
2140 \thesis@require{geometry}
2141 \thesis@require{setspace}
2142 \geometry{top=25mm,bottom=20mm,left=25mm,right=25mm,includeheadfoot}
```

\thesis@blocks@cover

The \thesis@blocks@cover private macro typesets the thesis cover.

```
2143 \def\thesis@blocks@cover{%
2144 \ifthesis@cover@
       \thesis@blocks@clear
2145
2146
       \begin{alwayssingle}
         \thispagestyle{empty}
2147
         \begin{center}
2148
         {\sc\thesis@titlePage@LARGE\thesis@@{universityName}\\%
2149
              \thesis@titlePage@Large\thesis@@{facultyName}\\}
2150
         \vfill
2151
         {\bf\thesis@titlePage@Huge\thesis@@{typeName}}
2152
          \vfill
2153
          {\thesis@titlePage@large\thesis@place
2154
           \ \thesis@year\hfill\thesis@author}
2155
          \end{center}
2156
       \end{alwayssingle}
2157
     \fi}
2158
2159% \end{macro}
2160% The style file redefines the title page content
```

⁸See http://is.muni.cz/do/med/zpravyprac/Optometrie/NALEZITOSTI_ZAVERECNE_PRACE.doc

```
2161% not to include the author's name and the title page footer
2162% to include both the author's and advisor's name, the field of
2163% study and the semester and place of the thesis defense as per
2164% the requirements of the department.
       \begin{macrocode}
2165 %
2166 \def\thesis@blocks@titlePage@content{%
    {\thesis@titlePage@Huge\bf\thesis@TeXtitle\\[0.3in]}%
   {\thesis@titlePage@large{\sc\thesis@@{typeName}}\\}}
2169 \def\thesis@blocks@titlePage@footer{%
   {\thesis@titlePage@large
2170
      {% Calculate the width of the thesis author and advisor boxes
2171
2172
       \  \end{A}\
         \bf\thesis@@{advisorTitle}:}}
2173
       \let\@B\relax\newlength{\@B}\settowidth{\@B}{\thesis@advisor}
2174
       \ \left( \C\right) \
2175
         \bf\thesis@@{authorTitle}:}}
2176
       2177
       \ \left( \E\right) \
2178
2179
         \bf\thesis@@{fieldTitle}:}}
2180
       \let\@F\relax\newlength{\@F}\settowidth{\@F}{\thesis@field}
      \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
2181
2182
        max(\@A,\@B)
      \let\@right\relax\newlength{\@right}\pgfmathsetlength{\@right}{%
2183
        max(\QC,\QD,\QE,\QF)
2184
2185
      % Typeset the thesis author and advisor boxes
      \vskip 2in\begin{minipage}[t]{\@left}
2186
        {\bf\thesis@@{advisorTitle}:}\\thesis@advisor
2187
2188
      \end{minipage}\hfill\begin{minipage}[t]{\@right}
        {\bf\thesis@@{authorTitle}:}\\thesis@author
2189
          \[1em]{\bf\thesis@{fieldTitle}:}\\\
2190
      \end{minipage}}\\[4em]\thesis@place, \thesis@@{semester}}}
2191
```

\thesis@blocks@frontMatter

The \thesis@blocks@frontMatter private macro sets up the style of the front matter of the thesis. The page numbering is arabic as per the formal requirements and it is hidden. In case of double-sided typesetting, the geometry is altered according to the requirements of the faculty.

```
2192 \def\thesis@blocks@frontMatter{%
2193 \thesis@blocks@clear
2194 % In case of double-sided typesetting, change the geometry
2195 \ifthesis@twoside@
2196
       \newgeometry{top=25mm,bottom=20mm,left=35mm,
         right=15mm, includeheadfoot}
2197
     \fi\pagestyle{empty}
2198
     \parindent 1.5em
2199
     \setcounter{page}{1}
2200
2201
     \pagenumbering{arabic}}
```

\thesis@blocks@bibEntry

The \thesis@blocks@bibEntry private macro typesets a bibliographical entry. Along with the macros required by the locale file interface, the *locale* files need to define the following private macros:

- \thesis@locale@bib@title The title of the \thesis@blocks@bib@title block
- \thesis@locale@bib@pages The abbreviation of pages used in the bibliographical entry

```
2202 \def\thesis@blocks@bibEntry{%
2203 \chapter*{\thesis@e{bib@title}}
2204 \noindent\thesis@upper{author@tail}, \thesis@author@head.
2205 \emph{\thesis@title}. \thesis@place: \thesis@e{universityName},
2206 \thesis@e{facultyName}, \thesis@department, \thesis@year.
2207 \thesis@pages\ \thesis@e{bib@pages}.
2208 \thesis@e{advisorTitle}: \thesis@advisor}
```

The style file defines the autolayout preamble as the cover and the title page followed by the annotation, bibliographical entry, declaration, acknowledgement table of contents and the optional list of tables and figures as a part of the front matter. All blocks are defined in the style/mu/base.sty file, although some are redefined in this file.

```
2209 \def\thesis@preamble{%
2210 \thesis@blocks@cover%
2211 \thesis@blocks@frontMatter%
       \thesis@blocks@titlePage%
2212
       \onehalfspacing%
2213
     \thesis@blocks@clearRight%
2214
         \thesis@blocks@abstract%
2215
         \thesis@blocks@abstractEn%
2216
2217
         \thesis@blocks@keywords%
         \thesis@blocks@keywordsEn%
2218
       \thesis@blocks@bibEntry%
2219
2220
       \thesis@blocks@declaration%
2221
       \thesis@blocks@thanks%
       \thesis@blocks@tables%
2222
2223 \thesis@blocks@mainMatter}
```

3.6.11 The style files of the Faculty of Sports Studies

3.6.11.1 The style/mu/fithesis3-fss.sty file

This is the style file for the theses written at the Faculty of Sports Studies at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty⁹.

```
2224 \NeedsTeXFormat{LaTeX2e}
2225 \ProvidesPackage{fithesis3/style/mu/fithesis3-fss}[2015/05/30]
The file defines the color scheme of the respective faculty.
2226 \thesis@color@setup{
2227 links={HTML}{93BCF5},
```

⁹See http://www.fsps.muni.cz/~korvas/pokyny_k_zaverecne_praci.doc

```
2228 tableEmph={HTML}{A8BDE3},
2229 tableOdd={HTML}{EBEFF5},
2230 tableEven={HTML}{D1DAEB}}
```

The style file configures the title page header to include the field name.

2231 \thesis@blocks@titlePage@field@true

The style file defines the autolayout preamble as the cover and the title page followed by the declaration, acknowledgement table of contents and the optional list of tables and figures as a part of the front matter. All blocks are defined in the style/mu/base.sty file.

```
2232 \def\thesis@preamble{%
2233 \thesis@blocks@cover%
2234 \thesis@blocks@titlePage%
2235 \thesis@blocks@frontMatter%
2236 \thesis@blocks@declaration%
2237 \thesis@blocks@thanks%
2238 \thesis@blocks@tables%
2239 \thesis@blocks@mainMatter}
```

Index

Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

```
Symbols
                                    \@chapter ..... 1163, 1488, 1491
  \@A . . . . . . . . . . . . . . . 1667, 1668,
                                    \@date ..... 198, 199
      1669, 1670, 1672, 1720, 1744,
                                    \@dblfpbot . . . . . . . . . . 1388, 1416, 1444
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of stupid package czech [JP]	ing that .dtx compiles. Docu-
\MainMatter should be placed	mentation adjusted to the status
after \tablesofcontents [PS] 175	quo, added link to discussion
v0.2.08	forum (backport of v0.2.14) [PS] 175
General: add change of University	v0.3.04
name [JP] 175	General: Import the url package to
v0.2.09 General: add EN version of Univer-	allow for the use of \url within
sity name [JP] 175	the documentation. (backport of
Sity Hairie [J1]	v0.2.15@r13) [VN] 175

v0.3.05	v0.3.10
General: Added support for change typesetting. Restructured the code to make it more amenable to literal programming. Added support for \CodelineIndex typesetting. Added information about the usage of fithesis1 and fithesis2 on the FI unix machines. (backport of v0.2.16) [VN] Minor changes throughout the text, added a link to the the fithesis forums [PS] (backport of v0.2.15@r14:15)	General: Fixed a typo in the technical documentation. Updated the <i>Advanced usage</i> chapter of the user guide. The required packaged listed in Section 2.2 of the user guide are now always correct. Adjusted the footer spacing in the styles of econ and fi. Added <i>Advanced usage</i> chapter to the user guide. Added the description of basic options into the user guide. Added the table and oldtable options. Added the type field to the guide for
v0.3.06 General: Added the colorx package and the base colors for each faculty. If the color option is specified, the tabular environment gets redefined and uses the faculty colors to color alternating table rows to improve readability. The hyperref links in the e-version are now likewise colored according to the chosen faculty, in this case regardless of the presence of the color option. Dropped the support for typesetting theses outside MU. [VN] 175 v0.3.07	completeness. [VN]
General: Replaced the \thesiswoman command with \thesisgender. [VN]	v0.3.12 General: The subsections and subsubsections now use the correct tocdepth. [VN]
General: Fixed a non-terminated \if condition. [VN] (backport of v0.2.18) Fixed mostly documentation errors reported at the new fithesis discussion forum (-ti, eco→econ, implicit twocolumn, example extended (font setup), etc.). [PS] (backport of v0.2.17) 175 v0.3.09 General: A complete refactoring of the class. The class was decom- posed into a base class, locale files and style files. [VN] 175	v0.3.13 General: Fixed an inconsistency in the example code. Removed an extraneous \thesis@blocks@clear block withing the definition of \thesis@blocks@frontMatter in the fss style file. Added comments, fixed clubs and widows and removed text overflows within the user guides. Adjusted the colors of various style files. Removed the trailing dot in the bibliographic identification

within the med and ped style	v0.3.15
files. Fixed a typo within the technical documentation. Fixed the twoside alignment of the \thesis@blocks@bibEntry and the \thesis@blocks@bibEntryEn blocks within the sci style file. The \thesis@blocks@assignment block no longer clears a page when nothing is inserted. It is also no longer hard-coded to be hidden for rigorous theses. Instead, the \ifthesis@blocks@assignment conditional can be set either by the subsequently loaded style files or by the user. So far, only the fi and sci style files set the	General: Renamed \thesis@requireStyle to \thesis@requireWithOptions and moved the style loader from the \thesis@load routine to a new \thesis@requireStyle macro to make the semantics of \thesis@requireLocale and \thesis@requireStyle more similar. Changed the basepath, logopath, localepath and stylepath keys to match the lower camelcasing of the rest of the keys. Added further description regarding the use of the assignment key. [VN] 175
conditional. [VN] 175	General: Clubs and widows are now
v0.3.14	set to be infinitely bad. The
General: Updated the documentation. [VN] 175	assignment key has weaker, but more robust semantics now 175
	indicate to be determined nov 170