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 \thesissetup{ $\langle keyvals \rangle$ } 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 \thesis@basepath macro, whose implicit value is fithesis/.

```
12 \def\thesis@basepath{fithesis/}
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 to load the university and faculty logos. The path is normalized using the \thesis@subdir macro and stored within the \thesis@logopath macro, whose implicit value is \thesis@basepath followed by logo/\thesis@university/. By default, this expands to fithesis/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\}
```

\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 \thesis@subdir macro and stored within the \thesis@stylepath macro, whose implicit value is \thesis@basepath style/. By default, this expands to fithesis/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 \thesis@subdir macro and stored within the

\thesis@localepath macro, whose implicit value is \thesis@basepath followed by locale/. By default, this expands to fithesis/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 macro returns / unchanged, coerces ., .., /path, ./path and ../path to ./, ../, /path/, ./path/ and ../path/, respectively, and prefixes any other path with \thesis@basepath.

```
31 \def\thesis@subdir#1#2#3#4\empty{%
                             <empty> -> <basepath>
    \ifx#1\empty%
      \thesis@basepath
33
    \else
34
35
      \if#1/%
                                    / -> /
36
        \ifx#2\empty%
37
          /%
        \else%
                             /<path> -> /<path>/
38
39
          #1#2#3#4/%
40
        \fi
41
      \else%
42
        \if#1.%
43
          \ifx#2\empty%
                                    . -> ./
            ./%
44
          \else
45
            \if#2.%
46
                                   .. -> ../
              \ifx#3\empty%
47
48
                 ../%
49
               \else
                           ../<path> -> ../<path>/
                 \if#3/%
50
                   ../#4/%
51
                 \else
52
                   \thesis@basepath#1#2#3#4/%
53
                 \fi
54
              \fi
55
            \else
              \if#2/%
                            ./<path> -> ./<path>/
57
                 ./#3#4/%
58
               \else
59
                 \thesis@basepath#1#2#3#4/%
60
              \fi
61
            \fi
62
          \fi
63
64
          \thesis@basepath#1#2#3#4/%
65
        \fi
66
      \fi%
67
```

\thesis@def The \thesis@def[$\langle key \rangle$]{ $\langle name \rangle$ } macro defines the \thesis@name macro to ex-

pand to either «key», if specified, or to «name». The macro serves to provide placeholder strings for 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 $\{\langle \text{declaration} = text \rangle\}$ pair sets the declaration text to be included into the document. The text is stored within the \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 ...\else ...\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}%
79 \ifx\thesis@male\thesis@arg%
     \thesis@womanfalse%
81 \else%
     \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 \thesis@parseAuthor macro and stored within the following 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}%
- \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 the 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	

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

The *type* is stored within the \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.

```
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 $\{\langle university = identifier \rangle\}$ pair sets the identifier of the university, at which the thesis is being written, to *identifier*. The *identifier* is stored within the

\thesis@university macro, whose implicit value is mu. This value corresponds to the Masaryk University in Brno.

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

\thesis@faculty 2.2.11 The faculty key

The $\{\langle faculty = identifier \rangle\}$ pair sets the faculty, at which the thesis is being written, to domain. The following faculty identifiers are recognized at the Masaryk University in Brno:

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 identifier is stored within the \thesis@faculty macro, whose implicit value

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

\thesis@department 2.2.12 The department key

The {\department=name\} pair sets the name of the department, at which the thesis is being written, to name. Unlike the university and faculty identifiers, the department name is only used for typesetting and it should therefore be specified in plain language with optional TeX macros. The name is stored within the \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 \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. Unlike the university and faculty identifiers, the programme name is only used for typesetting and it should therefore be specified in plain language with optional TFX macros. The *name* is stored within the \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 {\programmeEn=name\} pair sets the English name of the author's study programme to *name*. The *name* is stored within the \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 $\{\langle \text{field} = name \rangle\}$ pair sets the name of the author's field of study to name. Unlike the university and faculty identifiers, the name of the field of study is only used for typesetting and it should therefore be specified in plain language with optional TEX macros. The *name* is stored within the \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 \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 as the university logo to filename. The filename is stored within the \thesis@universityLogo macro, whose implicit value is fithesis-base. The fithesis- prefix serves to prevent package clashes with other similarly named files within the TEX directory structure. The logo file is loaded from the \thesis@logopath\thesis@universityLogo path.

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

\thesis@facultyLogo 2.2.19 The facultyLogo key

The {\(\faculty\Logo=\)filename\)} pair sets the filename of the logo file to be used as the faculty logo to filename. The filename is stored within the \thesis@ facultyLogo macro, whose implicit value is fithesis-\thesis@faculty. The fithesis- prefix serves to prevent package clashes with other similarly named files within the TeX directory structure. The logo file is loaded from the \thesis@logopath\thesis@facultyLogo path.

```
131 \def\thesis@facultyLogo{fithesis-\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 \thesis@style macro, whose implicit value is \thesis@university/fithesis-\thesis@faculty. When the filename is an empty token string, no style files will be loaded during the main routine (see Section 3.1).

```
134 \ensuremath{\mbox{\mbox{$134$ \lowersity/fithesis-\thesis@faculty}}}
135 \define@key{thesis}{style}{%
136 \def\thesis@style{#1}}
```

\thesis@style@inheritance

2.2.21 The styleInheritance key

The {\styleInheritance=bool\} pair either enables, if bool is true or unspecified, or disables the inheritance for style files. The setting affects the function of the \thesis@requireStyle macro (see Section 3.2) and can be tested using the $\ifthesis@style@inheritance...\fi$ conditional. Inheritance is enabled for style files by default.

```
137 \newif\ifthesis@style@inheritance\thesis@style@inheritancetrue
138 \define@key{thesis}{styleInheritance}[true]{%
139 \begingroup
```

```
140 \def\@true{true}%
141 \def\@arg{#1}%
142 \ifx\@true\@arg
143 \endgroup\thesis@style@inheritancetrue
144 \else
145 \endgroup\thesis@style@inheritancefalse
146 \fi}
```

\thesis@locale 2.2.22 The locale key

The $\{\langle locale=name \rangle\}$ pair sets the name of the main locale to *name*. The *name* is stored within the \thesis@locale macro, whose implicit value is the main language of either the babel or the polyglossia package, or english, when undefined. When the *name* is an empty token string, no locale files will be loaded during the main routine (see Section 3.1).

\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.

```
153 \def\ifthesis@english{
    \expandafter\def\expandafter\@english\expandafter{\string%
    \english}%
    \expandafter\expandafter\expandafter\def\expandafter%
156
    \expandafter\expandafter\@locale\expandafter\expandafter%
157
    \expandafter{\expandafter\string\csname\thesis@locale\endcsname}%
158
    \expandafter\csname\expandafter i\expandafter f\ifx\@locale%
159
    \@english%
160
      true%
161
    \else%
162
163
      false%
    \fi\endcsname}
```

\thesis@locale@inheritance

2.2.23 The localeInheritance key

The $\{\langle localeInheritance=bool \rangle\}$ pair either enables, if bool is true or unspecified, or disables the inheritance. The setting affects the function of the \thesis@requireLocale macro (see Section 3.2) and can be tested using the \ifthesis@locale@inheritance...\else...\fi conditional. Inheritance is enabled for locale files by default.

```
165 \newif\ifthesis@locale@inheritance\thesis@locale@inheritancetrue
166 \define@key{thesis}{localeInheritance}[true]{%
    \begingroup
167
    \def\@true{true}%
168
    \def\@arg{#1}%
169
170
    \ifx\@true\@arg
171
      \endgroup\thesis@locale@inheritancetrue
172
      \endgroup\thesis@locale@inheritancefalse
173
    \fi}
174
```

2.2.24 The date key

The $\{\langle date=date \rangle\}$ 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 macro within the following macros:

\thesis@parseDate

- \thesis@date The entire date
- \thesis@year

\thesis@date

- \thesis@year The YYYY part of date
- \thesis@month
- \thesis@month The MM part of date
- \thesis@day
- \thesis@day The DD part of date
- \thesis@season
- \thesis@season Expands to either:
 - winter if MM < 7.
 - summer if MM > 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.

```
\advance\@year-1\edef\@yearA{\the\@year}%
187
       \advance \ensuremath{\tt @year 1\edef @year B{\the \ensuremath{\tt @year}}\%
188
     \else%
189
       \gdef\thesis@season{summer}%
190
                          \edef\@yearA{\the\@year}%
191
192
       \advance \ensuremath{\tt @year}{\the \ensuremath{\tt @year}}{\tt %}
193
     \global\edef\thesis@academicYear{\@yearA/\@yearB}}}
194
195
196 \edf\thesis@date{\theta\wear/\theta\month/\theta\ay}\%
197 \expandafter\thesis@parseDate\thesis@date|%
199 \define@key{thesis}{date}{{%
     \edef\@date{#1}%
     \expandafter\thesis@parseDate\@date|}}
```

$\label{thesis@place} $$ \ \ \, $\textbf{2.2.25} \quad The \ place \ key $$$

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 \thesis@place macro, whose implicit value is Brno.

```
202 \def\thesis@place{Brno}
203 \define@key{thesis}{place}{%
204 \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 thesis@title macro.

```
205 \thesis@def{title}
206 \define@key{thesis}{title}{%
207 \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. The title is stored within the \thesis@TeXtitle macro, whose implicit value is \thesis@title.

```
208 \def\thesis@TeXtitle{\thesis@title}
209 \define@key{thesis}{TeXtitle}{%
210 \def\thesis@TeXtitle{#1}}
```

\thesis@titleEn 2.2.28 The titleEn key

The {\titleEn=title\} pair sets the English title of the thesis to title. The title is stored within the \thesis@titleEn macro.

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

\thesis@TeXtitleEn 2.2.29 The TeXtitleEn key

The $\{\langle TeXtitleEn=title \rangle\}$ 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, which gets included in the PDF header of the resulting document. The title is stored within the \thesis@TeXtitleEn macro, whose implicit value is \thesis@titleEn.

```
{\tt 214 \backslash def \backslash thesis@TeXtitleEn \{ \backslash thesis@titleEn \}}
215 \define@key{thesis}{TeXtitleEn}{%
216 \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 \thesis@keywords macro.

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

\thesis@TeXkeywords 2.2.31 The TeXkeywords key

The $\{\langle TeXkeywords=list \rangle\}$ pair sets the T_FX keywords of the thesis to the commadelimited list. The list is used, when typesetting the keywords, whereas \thesis@ keywords is a plain text, which gets included in the PDF header of the resulting document. The *list* is stored within the \thesis@TeXkeywords macro.

```
220 \def\thesis@TeXkeywords{\thesis@keywords}
221 \define@key{thesis}{TeXkeywords}{%
222 \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 \thesis@keywordsEn macro.

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

\thesis@TeXkeywordsEn 2.2.33 The TeXkeywordsEn key

The $\{\langle TeXkeywordsEn=list \rangle\}$ pair sets the English TeX keywords of the thesis to the comma-delimited list. The list is used, when typesetting the keywords, whereas \thesis@keywordsEn is a plain text, which gets included in the PDF header of the resulting document. The list is stored within the \thesis@TeXkeywordsEn macro.

```
226 \def\thesis@TeXkeywordsEn{\thesis@keywordsEn}
227 \define@key{thesis}{TeXkeywordsEn}{%
228 \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 \thesis@abstract macro.

```
229 \thesis@def{abstract}
230 \long\def\KV@thesis@abstract#1{%}
231 \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 \thesis@abstractEn macro.

```
232 \thesis@def{abstractEn}
233 \long\def\KV@thesis@abstractEn#1{%
234 \long\def\thesis@abstractEn{#1}}
```

\thesis@advisor 2.2.36 The advisor key

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

```
235 \thesis@def{advisor}
236 \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 \thesis@thanks macro.

```
237 \long\def\KV@thesis@thanks#1{%
238 \long\def\thesis@thanks{#1}}
```

\thesis@assignmentFiles 2.2.38 The assignment key

The $\{\langle assignment=list \rangle\}$ pair sets the comma-delimited list of paths to the PDF files containing the thesis assignment to list. The list is stored within the \thesis@assignmentFiles macro.

```
239 \define@key{thesis}{assignment}{%
240 \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 macros at the beginning and at the end of the document, respectively. The setting can be tested using the \ifthesis@auto...\else...\fi conditional. The autolayout is enabled by default.

```
241 \newif\ifthesis@auto\thesis@autotrue
242 \define@key{thesis}{autoLayout}[true]{%
243 \def\@true{true}%
    \def\@arg{#1}%
245
    \ifx\@true\@arg%
      \thesis@autotrue%
246
247 \else%
     \thesis@autofalse%
248
249 \fi}
```

\thesis@preamble \thesis@postamble

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

```
250 \def\thesis@preamble{}
251 \def\thesis@postamble{}
```

The \thesislong macro

\thesislong

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

- abstract
- abstractEn
- thanks
- declaration

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

3 Private API

3.1 Main routine

\thesis@load

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 expanded manually prior to that point, if necessary to prevent package clashes. The \ifthesis@loaded semaphore ensures that the expansion is only performed once.

\ifthesis@loaded

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

First, the main locale is selected and its files are loaded using the \thesis@selectLocale macro.

```
260 \ifx\thesis@locale\empty\else
261 \thesis@selectLocale{\thesis@locale}
262 \fi
```

Consequently, the style files are loaded.

```
263 \ifx\thesis@style\empty\else
264 \thesis@requireStyle{\thesis@style}
265 \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 2015/10/09 v0.3.22 fithesis3 MU thesis class.

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

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.

```
\ifthesis@auto%
273
           \AtBeginDocument{\thesis@preamble}%
274
           \AtEndDocument{\thesis@postamble}%
275
         \fi%
276
```

\thesis@pages

Lastly, the \thesis@pages macro definition containing the length of the document is scheduled to be included in the auxiliary file.

```
\AtEndDocument{%
278
           % Define \thesis@pages for the next run
279
           \write\@auxout{\noexpand\gdef\noexpand%
             \thesis@pages{\thepage}}}
280
      \makeatother%
281
282
    \fi}
```

File manipulation macros

\thesis@exists

The $\t sis exists {\langle file \rangle} {\langle tokens \rangle}$ 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.

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

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

```
286 \def\thesis@input#1{%
287 \frac{\#1}{\left\{ \lim_{\#1}\right\} }
```

\thesis@require

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

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

\thesis@requireWithOptions

The \t expands to $\ensuremath{\t}$ equirePackageWithOptions{ \d package}}, if the specified *package* exists and has not yet been loaded.

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

\thesis@requireStyle

If inheritance is enabled for style files, then the $\t equireStyle{\langle style \rangle}$ macro sequentially loads each of the following files, provided they exist:

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

If inheritance is disabled for style files, then only the last listed file is loaded. The fithesis- prefix serves to prevent package clashes with other similarly named package files within the T_EX directory structure.

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

\thesis@requireLocale

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

- 1. \thesis@localepath fithesis-locale.def
- 2. \thesis@localepath\thesis@university/fithesis-locale.def
- $3. \thesis@localepath\thesis@university/\thesis@faculty/fithesis-{\it locale}. define the action of the context of the context$

If inheritance is disabled for locale files, then only the first listed file is loaded. The fithesis- prefix serves to prevent clashes with other similarly named files within the TeX directory structure. To prevent undesirable side effects from locale files being loaded multiple times, the \thesis@locale@required macro is defined as a flag, which prevents future invocations with the same locale. The macro can be used within both locale and style files, although the usage within locale files is strongly discouraged to prevent circular dependencies.

```
299 \def\thesis@requireLocale#1{%
    % Ignore redundant requests
    \expandafter\ifx\csname thesis@#1@required\endcsname\relax%
301
      \expandafter\def\csname thesis@#1@required\endcsname{}%
302
         {\makeatletter % Enable requiring from within the document
303
        \thesis@input{\thesis@localepath fithesis-#1.def}%
304
        \ifthesis@locale@inheritance%
305
           \thesis@input{\thesis@localepath\thesis@university/%
306
             fithesis-#1.def}%
307
           \thesis@input{\thesis@localepath\thesis@university/%
308
             \thesis@faculty/fithesis-#1.def}%
309
310
        \fi}
311
    \fi}
```

3.3 String manipulation macros

\thesis@

The $\theta \leq \theta(name)$ macro expands to $\theta = name$ gets fully expanded and can therefore contain active characters and command sequences.

```
312 \def\thesis@#1{\csname thesis@#1\endcsname}
```

\thesis@@

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

```
313 \def\thesis@@#1{\thesis@{\thesis@locale @#1}}
```

\thesis@lower
\thesis@upper

The \thesis@lower and \thesis@upper macros are used for upper- and lower-casing 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. The name gets fully expanded and can therefore contain active characters and command sequences.

\thesis@@lower
\thesis@@upper

The \thesis@@lower and \thesis@@upper 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. The *name* gets fully expanded and can therefore contain active characters and command sequences.

```
326\def\thesis@lower#1{\thesis@lower{\thesis@locale @#1}}
327\def\thesis@upper#1{\thesis@upper{\thesis@locale @#1}}
```

\thesis@head
\thesis@tail

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

```
328 \def\thesis@head#1 #2{%
329 \ifx\relax#2%
      \expandafter\@gobbletwo%
330
331 \else%
332
     \ #1%
333 \fi%
334 \thesis@head#2}%
335 \def\thesis@tail#1 #2{%
336 \ifx\relax#2%
      #1%
337
      \expandafter\@gobbletwo%
338
    \fi%
339
    \thesis@tail#2}%
340
```

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 ??

341 \ifx\thesis@pages\undefined\def\thesis@pages{??}\fi

\thesis@selectLocale

\file

\thesis@selectLocale{ $\langle locale \rangle$ } macro redefines the \thesis@locale macro to *locale*, loads the locale files of *locale* and switches to the hyphenation patterns of *locale*.

342 \def\thesis@selectLocale#1{%

- 343 \edef\thesis@locale{#1}%
- 344 \thesis@requireLocale{\thesis@locale}%
- 345 \expandafter\language\csname l@\thesis@locale\endcsname}

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).

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 of 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 Itxdoc manuals.

Mind that the name of the locale is also used to load hyphenation patterns, which is why it shouldn't be arbitrary. To see the names of the hyphenation patterns, consult the hyph-utf8 manual.

3.5.1 Interface

The union of locale files loaded via the locale file inheritance scheme (see the definition of the \thesis@requireLocale macro in Section 3.2) needs to globally define the following macros:

- \thesis@locale@universityName The name of the university
- \thesis@locale@facultyName The name of the faculty
- \thesis@locale@assignment The instructions to replace the current page with the official thesis assignment
- \thesis@locale@declaration The thesis declaration text
- \thesis@locale@fieldTitle The title of the field of study entry
- \thesis@locale@advisorTitle The title of the advisor entry
- \thesis@locale@authorTitle The title of the author entry
- \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

where *locale* is the name of the locale.

3.5.2 English locale files

3.5.2.1 The locale/fithesis-english.def file

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

```
346 \ProvidesFile{fithesis/locale/fithesis-english.def}[2015/06/26]
347
348% Placeholders
349 \gdef\thesis@english@universityName{University name}
350 \gdef\thesis@english@facultyName{Faculty name}
351 \gdef\thesis@english@assignment{Replace this page with a copy
352 of the official signed thesis assignment.}
353 \gdef\thesis@english@declaration{Declaration text ...}
355 % Miscellaneous
356 \gdef\thesis@english@fieldTitle{Field of study}
357 \gdef\thesis@english@advisorTitle{Advisor}
358 \gdef\thesis@english@authorTitle{Author}
359 \gdef\thesis@english@abstractTitle{Abstract}
360 \gdef\thesis@english@keywordsTitle{Keywords}
361 \gdef\thesis@english@thanksTitle{Acknowledgement}
362 \gdef\thesis@english@declarationTitle{Declaration}
363 \gdef\thesis@english@idTitle{ID}
364 \gdef\thesis@english@winter{Spring}
365 \gdef\thesis@english@summer{Fall}
366 \gdef\thesis@english@semester{%
367 \thesis@{english@\thesis@season} \thesis@year}
368 \gdef\thesis@english@typeName{%
369 \ifx\thesis@type\thesis@bachelors%
370
      Bachelor's Thesis%
371 \else\ifx\thesis@type\thesis@masters%
372
      Master's Thesis%
373 \else\ifx\thesis@type\thesis@doctoral%
      Doctoral Thesis%
374
375 \else\ifx\thesis@type\thesis@rigorous%
376
     Rigorous Thesis%
377 \else%
378
     <<Unknown thesis type (\thesis@type)>>%
379 fi\fi\fi\fi\
```

3.5.2.2 The locale/mu/fithesis-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.

```
380 \ProvidesFile{fithesis/locale/mu/fithesis-english.def}[2015/06/26]
381 \gdef\thesis@english@universityName{Masaryk University}
382 \gdef\thesis@english@declaration{%
383 Hereby I declare that this paper is my original authorial work,
384 which I have worked out by my own. All sources, references and
385 literature used or excerpted during elaboration of this work are
386 properly cited and listed in complete reference to the due source.}
387
388 % Miscellaneous
389 \gdef\thesis@english@idTitle{UČO}
```

3.5.2.3 The locale/mu/law/fithesis-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.

```
390 \ProvidesFile{fithesis/locale/mu/law/fithesis-english.def}[2015/06/26]
391 \gdef\thesis@english@facultyName{Faculty of Law}
392 \gdef\thesis@english@facultyLongName{The Faculty of Law of the
393 Masaryk University}
```

3.5.2.4 The locale/mu/fsps/fithesis-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 and redefines the fieldTitle string in accordance with the common usage at the faculty.

```
394 \ProvidesFile{fithesis/locale/mu/fsps/fithesis-english.def}[2015/06/26]
395
396 % Placeholders
397 \gdef\thesis@english@facultyName{Faculty of Sports Studies}
398
399 % Miscellaneous
400 \gdef\thesis@english@fieldTitle{Specialization}
```

3.5.2.5 The locale/mu/fss/fithesis-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 and assignment strings with the correct values.

```
401 \ProvidesFile{fithesis/locale/mu/fss/fithesis-english.def}[2015/06/26] 402 403 % Placeholders
```

```
404\gdef\thesis@english@facultyName{Faculty of Social Studies}
405\gdef\thesis@english@assignment{Replace this page with a copy
406 of the official signed thesis assignment or the copy of the
407 Statement of an Author or both, depending on the requirements of
408 the respective department.}
```

3.5.2.6 The locale/mu/econ/fithesis-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.

```
\label{locale-mu-econ-fithesis-english.def} $$ 409 \Pr \end{array} $$ 410 \gdef\thesis@english@facultyName{Faculty of Economics} $$ 411 $$ and Administration} $$
```

3.5.2.7 The locale/mu/med/fithesis-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@bibEntry block defined within the style/mu/fithesis-med.sty style file.

```
412 \ProvidesFile{fithesis/locale/mu/med/fithesis-english.def}[2015/06/26]
413
414% Miscellaneous
415 \gdef\thesis@english@abstractTitle{Annotation}
416
417% Placeholders
418 \gdef\thesis@english@facultyName{Faculty of Medicine}
419
420% Bibliographic entry
421 \gdef\thesis@english@bib@title{Bibliographic record}
422 \gdef\thesis@english@bib@pages{p}
```

3.5.2.8 The locale/mu/fi/fithesis-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 redefines the string in accordance with the requirements of the faculty. The file also defines the advisorSignature string required by the \thesis@blocks@titlePageblock defined within the style/mu/fithesis-fi.sty style file.

```
423 \ProvidesFile{fithesis/locale/mu/fi/fithesis-english.def}[2015/06/26]
424
425% Placeholders
426 \gdef\thesis@english@facultyName{Faculty of Informatics}
427 \gdef\thesis@english@assignment{Replace this page with a copy
428 of the official signed thesis assignment and the copy of the
```

```
429 Statement of an Author.}
430
431% Others
432 \gdef\thesis@english@advisorSignature{Signature of Thesis
433 \thesis@english@advisorTitle}
```

3.5.2.9 The locale/mu/phil/fithesis-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.

434 \ProvidesFile{fithesis/locale/mu/phil/fithesis-english.def}[2015/06/26]

435 \gdef\thesis@english@facultyName{Faculty of Arts}

3.5.2.10 The locale/mu/ped/fithesis-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/fithesis-ped.sty style file.

```
436 \ProvidesFile{fithesis/locale/mu/ped/fithesis-english.def}[2015/06/26]
437
438 % Placeholders
439 \gdef\thesis@english@facultyName{Faculty of Education}
440
441 % Bibliographic entry
442 \gdef\thesis@english@bib@title{Bibliographic record}
443 \gdef\thesis@english@bib@pages{p}
```

3.5.2.11 The locale/mu/sci/fithesis-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/fithesis-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.

```
444 \ProvidesFile{fithesis/locale/mu/sci/fithesis-english.def}[2015/06/26]
445
446 % Placeholders
447 \gdef\thesis@english@facultyName{Faculty of Science}
448
449 % Miscellaneous
450 \global\let\thesis@english@advisorTitleEn=\thesis@english@bib@advisor
451
452 % Bibliographic entry
453 \gdef\thesis@english@bib@title{Bibliographic entry}
454 \global\let\thesis@english@bib@author\thesis@english@authorTitle
455 \gdef\thesis@english@bib@thesisTitle{Title of Thesis}
456 \gdef\thesis@english@bib@programme{Degree Programme}
```

```
457 \global\let\thesis@english@bib@field\thesis@english@fieldTitle
458 \gdef\thesis@english@bib@advisor{Supervisor}
459 \gdef\thesis@english@bib@academicYear{Academic Year}
460 \gdef\thesis@english@bib@pages{Number of Pages}
461 \global\let\thesis@english@bib@keywords\thesis@english@keywordsTitle
```

3.5.3 Czech locale files

3.5.3.1 The locale/fithesis-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@czech@typeName@akuzativ containing the accusative case of the thesis type name.

```
462 \ProvidesFile{fithesis/locale/fithesis-czech.def}[2015/06/26]
464% Pomocná makra
465 \gdef\thesis@czech@gender@koncovka{%
466 \ifthesis@woman a\fi}
468 % Zástupné texty
469 \gdef\thesis@czech@universityName{Název univerzity}
470 \gdef\thesis@czech@facultyName{Název fakulty}
471 \gdef\thesis@czech@assignment{Misto tohoto listu vložte kopii
472 oficiálního podepsaného zadání práce.}
473 \gdef\thesis@czech@declaration{Text prohlášení ...}
475 % Různé
476 \gdef\thesis@czech@fieldTitle{Obor}
477 \gdef\thesis@czech@advisorTitle{Vedouci práce}
478 \gdef\thesis@czech@authorTitle{Autor}
479 \gdef\thesis@czech@abstractTitle{Shrnutí}
480 \gdef\thesis@czech@keywordsTitle{Klíčová slova}
481 \gdef\thesis@czech@thanksTitle{Poděkování}
482 \gdef\thesis@czech@declarationTitle{Prohlášení}
483 \gdef\thesis@czech@idTitle{ID}
484 \gdef\thesis@czech@winter{Jaro}
485 \gdef\thesis@czech@summer{Podzim}
486 \gdef\thesis@czech@semester{%
487 \thesis@{czech@\thesis@season} \thesis@year}
488 \gdef\thesis@czech@typeName{%
489 \ifx\thesis@type\thesis@bachelors%
490
    Bakalářská práce%
491 \else\ifx\thesis@type\thesis@masters%
      Diplomová práce%
493 \else\ifx\thesis@type\thesis@doctoral%
```

```
Disertační práce%
494
    \else\ifx\thesis@type\thesis@rigorous%
495
      Rigorózní práce%
496
    \else%
497
      <<Neznámý typ práce (\thesis@type)>>%
498
499
    \fi\fi\fi\fi\fi}
500 \gdef\thesis@czech@typeName@akuzativ{%
    \ifx\thesis@type\thesis@bachelors%
      Bakalářskou práci%
502
503 \else\ifx\thesis@type\thesis@masters%
      Diplomovou práci%
504
505
    \else\ifx\thesis@type\thesis@doctoral%
      Disertační práci%
    \else\ifx\thesis@type\thesis@rigorous%
507
      Rigorózní práci%
508
509
    \else%
      <<Neznámý typ práce (\thesis@type)>>%
510
511 \left\{ fi\right\}
```

3.5.3.2 The locale/mu/fithesis-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.

```
512 \ProvidesFile{fithesis/locale/mu/fithesis-czech.def}[2015/06/26]
513
514% Zástupné texty
515 \gdef\thesis@czech@universityName{Masarykova Univerzita}
516 \gdef\thesis@czech@declaration{Prohlašuji, že jsem
517 \thesis@lower{czech@typeName@akuzativ} zpracoval%
518 \thesis@czech@gender@koncovka\ samostatně a
519 použil\thesis@czech@gender@koncovka\ jen prameny
520 uvedené~v seznamu literatury.}
521
522% Různé
523 \gdef\thesis@czech@idTitle{UČO}
```

3.5.3.3 The locale/mu/law/fithesis-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.

```
524 \ProvidesFile{fithesis/locale/mu/law/fithesis-czech.def}[2015/06/26]
525
526 % Různé
527 \gdef\thesis@czech@abstractTitle{Abstrakt}
528
```

```
529% Zástupné texty
530 \gdef\thesis@czech@facultyName{Právnická fakulta}
531 \gdef\thesis@czech@facultyLongName{Právnická fakulta Masarykovy
532 univerzity}
```

3.5.3.4 The locale/mu/fsps/fithesis-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 redefines the fieldTitle string in accordance with the common usage at the faculty.

```
533 \ProvidesFile{fithesis/locale/mu/fsps/fithesis-czech.def}[2015/06/26]
534
535 % Zástupné texty
536 \gdef\thesis@czech@facultyName{Fakulta sportovních studií}
537
538 % Různé
539 \gdef\thesis@czech@fieldTitle{Specializace}
```

3.5.3.5 The locale/mu/fss/fithesis-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 and assignment placeholders with the correct values.

```
540 \ProvidesFile{fithesis/locale/mu/fss/fithesis-czech.def}[2015/06/26]
541
542% Zástupné texty
543 \gdef\thesis@czech@facultyName{Fakulta sociálních studií}
544 \gdef\thesis@czech@assignment{Místo tohoto listu
545 vložte kopie oficiálního podepsaného zadání práce nebo
546 prohlášení autora školního díla nebo obojí~v závislosti na
547 požadavcích příslušné katedry.}
```

3.5.3.6 The locale/mu/econ/fithesis-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.

```
549 \ensuremath{\,\,}\xspace{2015/06/26]} \\ 550 \ensuremath{\,\,}\xspace{2015/06/26]} \\ 550 \ensuremath{\,\,}\xspace{2015/06/26]} \\ 600 \ensuremath{\,\,}\xspace{2
```

3.5.3.7 The locale/mu/med/fithesis-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/fithesis-med.sty style file.

```
551 \ProvidesFile{fithesis/locale/mu/med/fithesis-czech.def}[2015/06/26]
552
553 % Různé
554 \gdef\thesis@czech@abstractTitle{Anotace}
555
556 % Zástupné texty
557 \gdef\thesis@czech@facultyName{Lékařská fakulta}
558
559 % Bibliografický záznam
560 \gdef\thesis@czech@bib@title{Bibliografický záznam}
561 \gdef\thesis@czech@bib@pages{str}
```

3.5.3.8 The locale/mu/fi/fithesis-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 redefines 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/fithesis-fi.sty style file.

```
562 \ProvidesFile{fithesis/locale/mu/fi/fithesis-czech.def}[2015/06/26]
564 % Zástupné texty
565 \gdef\thesis@czech@facultyName{Fakulta informatiky}
566 \gdef\thesis@czech@assignment{Misto tohoto listu
567 vložte kopie oficiálního podepsaného zadání práce a
568 prohlášení autora školního díla.}
569 \gdef\thesis@czech@declaration{%
570 Prohlašuji, 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
574 používal\thesis@czech@gender@koncovka\ nebo z~nich
575 čerpal\thesis@czech@gender@koncovka, v~práci řádně cituji
576 s~uvedením úplného odkazu na příslušný zdroj.}
577
578 % Ostatní
579 \gdef\thesis@czech@advisorSignature{Podpis vedoucího}
```

3.5.3.9 The locale/mu/phil/fithesis-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 redefines the declaration, typeName and typeName@akuzativ strings in accordance with the requirements of the faculty.

```
580 \ProvidesFile{fithesis/locale/mu/phil/fithesis-czech.def}[2015/06/26] 581
```

```
582 % Zástupné texty
583 \gdef\thesis@czech@facultyName{Filozofická fakulta}
584 \gdef\thesis@czech@declaration{%
Prohlašuji, že jsem \thesis@lower{czech@typeName@akuzativ}
586 vypracoval\thesis@czech@gender@koncovka\ samostatně~s využitím
587
    uvedené literatury.}
589 % Ostatní
590 \gdef\thesis@czech@typeName{%
591 \ifx\thesis@type\thesis@bachelors%
      Bakalářská diplomová práce%
592
593
   \else\ifx\thesis@type\thesis@masters%
      Magisterská diplomová práce%
    \else\ifx\thesis@type\thesis@doctoral%
      Disertační práce%
596
597 \else%
     <<Neznámý typ práce (\thesis@type)>>%
598
599 \fi\fi\fi}
600 \gdef\thesis@czech@typeName@akuzativ{%
601 \ifx\thesis@type\thesis@bachelors%
      Diplomovou práci%
603 \else\ifx\thesis@type\thesis@masters%
     Diplomovou práci%
604
605 \else\ifx\thesis@type\thesis@doctoral%
606
     Disertační práci%
607
    \else%
     <<Neznámý typ práce (\thesis@type)>>%
    \fi\fi\fi}
```

3.5.3.10 The locale/mu/ped/fithesis-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/fithesis-ped.sty style file.

```
610 \ProvidesFile{fithesis/locale/mu/ped/fithesis-czech.def}[2015/06/26]
611
612% Zástupné texty
613 \gdef\thesis@czech@facultyName{Pedagogická fakulta}
614
615% Bibliografický záznam
616 \gdef\thesis@czech@bib@title{Bibliografický záznam}
617 \gdef\thesis@czech@bib@pages{str}
```

3.5.3.11 The locale/mu/sci/fithesis-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/fithesis-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.

```
618 \ProvidesFile{fithesis/locale/mu/sci/fithesis-czech.def}[2015/06/26]
620 % Zástupné texty
621 \gdef\thesis@czech@facultyName{Přírodovědecká fakulta}
624 \gdef\thesis@czech@abstractTitle{Abstrakt}
625 \gdef\thesis@czech@declaration{%
626 Prohlašuji, že jsem svoji \thesis@lower{czech@typeName@%
              akuzativ} vypracoval\thesis@czech@gender@koncovka\ samo%
              statně s~využitím informačních zdrojů, které jsou v~práci
629
              citovány.}
630
631 % Bibliografický záznam
632 \gdef\thesis@czech@bib@title{Bibliografický záznam}
633 \global\let\thesis@czech@bib@author\thesis@czech@authorTitle
634 \gdef\thesis@czech@bib@thesisTitle{Název práce}
635 \gdef\thesis@czech@bib@programme{Studijni program}
636 \global\let\thesis@czech@bib@field\thesis@czech@fieldTitle
637 \global\let\thesis@czech@bib@advisor\thesis@czech@advisorTitle
638 \gdef\thesis@czech@bib@academicYear{Akademický rok}
639 \gdef\thesis@czech@bib@pages{Počet stran}
640 \verb|\global| let \verb|\thesis@czech@bib@keywords| the sis@czech@keywordsTitle | let \verb|\thesis@czech@keywords| let \verb|\thesis@czech@bib@keywords| let \verb|\thesis@czech@keywords| let \verb|\thesis@czech@keywords| let \verb|\thesis@czech@bib@keywords| let \verb|\thesis@czech@keywords| let \| let \|
```

3.5.4 Slovak locale files

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

```
641 \ProvidesFile{fithesis/locale/fithesis-slovak.def}[2015/06/26]
642
643 % Pomocná makrá
644 \gdef\thesis@slovak@gender@koncovka{%
645 \ifthesis@woman a\fi}
646
647 % Zástupné texty
648 \gdef\thesis@slovak@universityName{Názov univerzity}
649 \gdef\thesis@slovak@facultyName{Názov fakulty}
650 \gdef\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
651 oficiálneho podpísaného zadania práce.}
```

```
652 \gdef\thesis@slovak@declaration{Text prehlásenie ...}
653
654 % Rôzne
655 \gdef\thesis@slovak@fieldTitle{Odbor}
656 \gdef\thesis@slovak@advisorTitle{Vedúci práce}
657 \gdef\thesis@slovak@authorTitle{Autor}
658 \gdef\thesis@slovak@abstractTitle{Zhrnutie}
659 \gdef\thesis@slovak@keywordsTitle{Kl'účové slová}
660 \gdef\thesis@slovak@thanksTitle{Podakovanie}
661 \gdef\thesis@slovak@declarationTitle{Prehlásenie}
662 \gdef\thesis@slovak@idTitle{ID}
663 \gdef\thesis@slovak@winter{Jar}
664 \gdef\thesis@slovak@summer{Jeseň}
665 \gdef\thesis@slovak@semester{%
666 \thesis@{slovak@\thesis@season} \thesis@year}
667 \gdef\thesis@slovak@typeName{%
668 \ifx\thesis@type\thesis@bachelors%
                   Bakalárska práca%
669
\verb| | lifx \leq ext| | lifx \leq ex
671
                   Diplomová práca%
            \else\ifx\thesis@type\thesis@doctoral%
672
                   Dizertačná práca%
673
            \else\ifx\thesis@type\thesis@rigorous%
674
                  Rigorózna práca%
675
676
            \else%
677
                   <<Neznámy typ práce (\thesis@type)>>%
            \fi\fi\fi\fi\fi}
679 \gdef\thesis@slovak@typeName@akuzativ{%
680 \ifx\thesis@type\thesis@bachelors%
                   Bakalársku prácu%
681
            \else\ifx\thesis@type\thesis@masters%
682
683
                  Diplomovú prácu%
684
            \else\ifx\thesis@type\thesis@doctoral%
685
                   Dizertačnú prácu%
            \else\ifx\thesis@type\thesis@rigorous%
686
                   Rigoróznu prácu%
687
            \else%
688
                   <<Neznámy typ práce (\thesis@type)>>%
689
            \fi\fi\fi\fi\}
```

3.5.4.2 The locale/mu/fithesis-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.

```
691 \ProvidesFile{fithesis/locale/mu/fithesis-slovak.def}[2015/06/26]
692
693 % Zástupné texty
694 \gdef\thesis@slovak@universityName{Masarykova Univerzita}
695 \gdef\thesis@slovak@declaration{%
```

```
696 Prehlašujem, že som predloženú \thesis@lower{%
697 slovak@typeName@akuzativ} vypracoval%
698 \thesis@slovak@gender@koncovka\ samostatne len s~použitím
699 uvedenej literatúry a prameňov.}
700
701 % Rôzne
702 \gdef\thesis@slovak@idTitle{UČO}
```

3.5.4.3 The locale/mu/law/fithesis-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.

```
703 \ProvidesFile{fithesis/locale/mu/law/fithesis-slovak.def}[2015/06/26]
704
705 % Rôzne
706 \gdef\thesis@slovak@abstractTitle{Abstrakt}
707
708 % Zástupné texty
709 \gdef\thesis@slovak@facultyName{Právnická fakulta}
710 \gdef\thesis@slovak@facultyLongName{Právnická fakulta Masarykovej
711 univerzity}
```

3.5.4.4 The locale/mu/fsps/fithesis-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 redefines the fieldTitle string in accordance with the common usage at the faculty.

```
712 \ProvidesFile{fithesis/locale/mu/fsps/fithesis-slovak.def}[2015/06/26]
713
714% Zástupné texty
715 \gdef\thesis@slovak@facultyName{Fakulta športových štúdií}
716
717% Rôzne
718 \gdef\thesis@slovak@fieldTitle{Špecializácie}
```

3.5.4.5 The locale/mu/fss/fithesis-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 and assignment strings with the correct values.

```
719 \ProvidesFile{fithesis/locale/mu/fss/fithesis-slovak.def}[2015/06/26]
720
721% Zástupné texty
722 \gdef\thesis@slovak@facultyName{Fakulta sociálnych štúdií}
723 \gdef\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
```

```
724 oficiálneho podpísaného zadania práce alebo prehlásenie autora
725 školského diela alebo obidve~v závislosti na požiadavkách
726 príslušnej katedry.}
```

3.5.4.6 The locale/mu/econ/fithesis-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.

```
727 \ProvidesFile{fithesis/locale/mu/econ/fithesis-slovak.def}[2015/06/26] 728 \gdef\thesis@slovak@facultyName{Ekonomicko-správna fakulta}
```

3.5.4.7 The locale/mu/med/fithesis-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/fithesis-med.sty style file.

```
729 \ProvidesFile{fithesis/locale/mu/med/fithesis-slovak.def}[2015/06/26]
730
731 % Rôzne
732 \gdef\thesis@slovak@abstractTitle{Anotácie}
733
734 % Zástupné texty
735 \gdef\thesis@slovak@facultyName{Lekárska fakulta}
736
737 % Bibliografický zoznam
738 \gdef\thesis@slovak@bib@title{Bibliografický záznam}
739 \gdef\thesis@slovak@bib@pages{str}
```

3.5.4.8 The locale/mu/fi/fithesis-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 redefines 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/fithesis-fi.sty style file.

```
740 \ProvidesFile{fithesis/locale/mu/fi/fithesis-slovak.def}[2015/06/26]
741
742% Zástupné texty
743 \gdef\thesis@slovak@facultyName{Fakulta informatiky}
744 \gdef\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
745 oficiálneho podpísaného zadania práce a prehlásenie autora
746 školského diela.}
747 \gdef\thesis@slovak@declaration{%
748 Prehlasujem, že táto \thesis@lower{slovak@typeName} je mojím
```

```
749 pôvodným autorským dielom, ktoré som vypracoval%
750 \thesis@slovak@gender@koncovka\ samostatne. Všetky zdroje,
751 pramene a literatúru, ktoré som pri vypracovaní
752 používal\thesis@slovak@gender@koncovka\ alebo z~nich
753 čerpal\thesis@slovak@gender@koncovka, v~práci riadne citujem
754 s~uvedením úplného odkazu na príslušný zdroj.}
755
756 % Rôzne
757 \gdef\thesis@slovak@advisorSignature{Podpis vedúceho}
```

3.5.4.9 The locale/mu/phil/fithesis-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.

```
758 \ProvidesFile{fithesis/locale/mu/phil/fithesis-slovak.def}[2015/06/26]
759
760 % Zástupné texty
761 \gdef\thesis@slovak@facultyName{Filozofická fakulta}
762 \gdef\thesis@slovak@declaration{%
    Prehlašujem, že som predloženú \thesis@lower{%
    slovak@typeName@akuzativ} vypracoval%
764
    \thesis@slovak@gender@koncovka\ samostatne na
765
    základe vlastných zistení a len s~použitím
766
    uvedenej literatúry a prameňov.}
768
769 % Rôzne
770 \gdef\thesis@slovak@typeName{%
    772
      Bakalárska diplomová práca%
773
    \else\ifx\thesis@type\thesis@masters%
      Magisterská diplomová práca%
    \else\ifx\thesis@type\thesis@doctoral%
775
      Dizertačná práca%
776
    \else%
777
      <<Neznámy typ práce (\thesis@type)>>%
778
779 \fi\fi\fi}
780 \gdef\thesis@slovak@typeName@akuzativ{%
    \ifx\thesis@type\thesis@bachelors%
781
782
      Diplomovú prácu%
    \else\ifx\thesis@type\thesis@masters%
783
784
      Diplomovú prácu%
785
    \else\ifx\thesis@type\thesis@doctoral%
786
      Dizertačnú prácu%
      <<Neznámý typ práce (\thesis@type)>>%
788
    \fi\fi\fi}
```

3.5.4.10 The locale/mu/ped/fithesis-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/fithesis-ped.sty style file.

```
790 \ProvidesFile{fithesis/locale/mu/ped/fithesis-slovak.def}[2015/06/26]
791
792 % Zástupné texty
793 \gdef\thesis@slovak@facultyName{Pedagogická fakulta}
794
795 % Bibliografický zoznam
796 \gdef\thesis@slovak@bib@title{Bibliografický záznam}
797 \gdef\thesis@slovak@bib@pages{str}
```

3.5.4.11 The locale/mu/sci/fithesis-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.

```
798 \ProvidesFile{fithesis/locale/mu/sci/fithesis-slovak.def}[2015/06/26]
799
800 % Zástupné texty
801 \gdef\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 $file\{\langle filename \rangle\}$ is available for the sectioning of 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 Itxdoc manuals.

3.6.1 Interface

The union of style files loaded via the style file inheritance scheme (see the definition of the \thesis@requireStyle macro in Section 3.2) should globally define at least one of the following macros:

\thesis@preamble

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

 \t

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

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3.6.2 Base style files

3.6.2.1 The style/fithesis-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.

```
802 \NeedsTeXFormat{LaTeX2e}
803 \ProvidesPackage{fithesis/style/fithesis-base}[2015/06/23]
```

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

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

```
804 \ProvidesPackage{fithesis/style/mu/fithesis-base}[2015/08/26]
805 \NeedsTeXFormat{LaTeX2e}
```

The file recognizes the following options:

- 10pt, 11pt, 12pt Sets the type size to 10, 11 or 12 points respectively.
- oneside, twoside The document is going to be either single- or double-sided, respectively. In a double-sided document, headers, page numbering, margin notes and several other elements will be arranged based on the parity of the page. Blank pages will also be inserted prior the beginning of each chapter to ensure that it starts on a right-hand (odd-numbered) page. The \ifthesis@twoside@conditional is set to either false or true, respectively.

\ifthesis@twoside@

- onecolumn, twocolumn The document is going to be set in either a single column or in two columns, respectively.
- draft, final Overful lines either are or aren't marked within the document, respectively, and graphics either aren't or are inserted into 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. 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.

\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 option 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 either is or isn't going to be included in the \thesis@blocks@tables block, respectively.

\thesis@blocks@tables

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

\thesis@blocks@cover@ \ifthesis@cover@ • cover, nocover – The \thesis@blocks@cover either is going to expand to either the thesis cover or produces no output, respectively. The \ifthesis@cover@conditional is set to false or true, respectively.

```
806 \DeclareOption{10pt}{\def\thesis@ptsize{0}}
807 \DeclareOption{11pt}{\def\thesis@ptsize{1}}
808 \DeclareOption{12pt}{\def\thesis@ptsize{2}}
809 \newif\ifthesis@twoside@
810 \DeclareOption{oneside}{%
811 \thesis@twoside@false\@twosidefalse\@mparswitchfalse}
812 \DeclareOption{twoside}{%
813 \thesis@twoside@true \@twosidetrue \@mparswitchtrue}
814 \DeclareOption{onecolumn}{\@twocolumnfalse}
815 \DeclareOption{twocolumn}{\@twocolumntrue}
816 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
817 \DeclareOption{final}{\setlength\overfullrule{0pt}}
818 \newif\ifthesis@color@
819 \DeclareOption{monochrome}{\thesis@color@false}
820 \DeclareOption{color}{\thesis@color@true}
821 \newif\ifthesis@palatino@
822 \DeclareOption{palatino}{\thesis@palatino@true}
823 \DeclareOption{nopalatino}{\thesis@palatino@false}
824 \newif\ifthesis@newtable@
825 \DeclareOption{table}{\thesis@newtable@true}
826 \DeclareOption{oldtable}{\thesis@newtable@false}
827 \DeclareOption{nolot}{\def\thesis@blocks@lot{}}
828 \DeclareOption{lot}{\let\thesis@blocks@lot\listoftables}
829 \DeclareOption{nolof}{\def\thesis@blocks@lof{}}
830 \DeclareOption{lof}{\let\thesis@blocks@lof\listoffigures}
831 \newif\ifthesis@cover@
832 \DeclareOption{nocover}{\thesis@cover@false}
833 \DeclareOption{cover}{\thesis@cover@true}
```

These are the default options:

```
834 \ExecuteOptions{12pt,twoside,final,monochrome,palatino,
835 oldtable,lot,lof,nocover}
836 \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 LuaTEX 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 the injection of metadata into the resulting PDF document.
- keyval Adds support for parsing comma-delimited lists of key-value pairs.

```
837 \thesis@require{xcolor}
838 \thesis@require{graphicx}
839 \thesis@require{pdfpages}
840 \thesis@require{keyval}
841 \thesis@require{ifxetex}
842 \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 XATEX or the LuaTEX engine is being used.

```
843 {\let\x\expandafter

844 \x\global\x\let\x\ifthesis@xeluatex\csname if%

845 \ifxetex true\else

846 \ifluatex\x\x\x t\x\x\x r\x\x\x u\x\x\x e%

847 \else f\x\x\x a\x\x\x l\x\x\x s\x\x\x e%

848 \fi

849 \fi\endcsname}
```

The following packages get only loaded, when the document is being typeset using the X_{\text{\text{TE}}}X or LuaT_{\text{\text{E}}}X engine:

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

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

```
850 \ifthesis@xeluatex
851 \ifthesis@palatino@
```

```
852  \thesis@require{fontspec}
853  \thesis@require{unicode-math}
854  \setmainfont[Ligatures=TeX]{TeX Gyre Pagella}
855  \setmathfont[math-style=ISO,bold-style=ISO,vargreek-shape=TeX]%
856  {texgyrepagella-math.otf}
857  \fi
```

The following packages get only loaded, when the document is not being typeset using the $X_{\overline{1}}$ or LuaTeX engine and the \ifthesis@palatino@ conditional is true:

- cmap Places an explicit ToUnicode map in the resulting PDF file, allowing for the extraction of the text from the document.
- mathpazo Changes the default math font family to mathpazo.
- 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.

```
858 \else
859 \ifthesis@palatino@
860 \RequirePackage[resetfonts]{cmap}
861 \thesis@require{lmodern}
862 \thesis@require{mathpazo}
863 \thesis@require{tgpagella}
864 \RequirePackage[T1]{fontenc}
865 \fi
866 \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 flexible-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.

```
867 \let\thesis@newtable@old\tabular
868 \let\endthesis@newtable@old\endtabular
869 \ifthesis@newtable@\ifthesis@color@
870 \thesis@require{tabularx}
871 \thesis@require{booktabs}
872 % The redefinition of 'tabular'
```

```
\renewenvironment{tabular}%
873
      {\rowcolors{1}{thesis@color@tableOdd}%
874
                     {thesis@color@tableEven}%
875
       \thesis@newtable@old}%
876
      {\endthesis@newtable@old}
877
878
    % The redefinition of 'tabularx'
879
    \let\thesis@newtable@oldx\tabularx
    \let\endthesis@newtable@oldx\endtabularx
880
    \renewenvironment{tabularx}%
881
      {\rowcolors{1}{thesis@color@tableOdd}%
882
                     {thesis@color@tableEven}%
883
       \thesis@newtable@oldx}%
884
885
      {\endthesis@newtable@oldx}
    % Adjust the measurements
    \setlength{\aboverulesep}{0pt}
    \setlength{\belowrulesep}{0pt}
    \setlength{\extrarowheight}{.75ex}
890 \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.

\thesis@color@setup

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

```
897 \def\thesis@color@setup#1{%
898 \setkeys{thesis@color}{#1}}
```

896 \clubpenalty 10000

The following key-value pairs are supported:

- {\links=color\} 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 environments under the name thesis@color@tableEven.

4. {\langle table Emph=color\rangle} - Stores the color of an emphasized cell in a table user under the name thesis@color@tableEmph. This color is meant to be used manually by the user.

```
899 \define@key{thesis@color}{links}{%
900  \definecolor{thesis@color@links}#1
901  \hypersetup{linkbordercolor=thesis@color@links}}
902 \define@key{thesis@color}{tableOdd}{%
903  \definecolor{thesis@color@tableOdd}#1}
904 \define@key{thesis@color}{tableEven}{%
905  \definecolor{thesis@color@tableEven}#1}
906 \define@key{thesis@color}{tableEmph}{%
907  \definecolor{thesis@color@tableEmph}#1}
```

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

\thesis@blocks@frontMatter

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

```
908 \def\thesis@blocks@frontMatter{%
909 \thesis@blocks@clear
910 \pagestyle{plain}
911 \parindent 1.5em
912 \setcounter{page}{1}
913 \pagenumbering{roman}}
```

\thesis@blocks@clear

The \thesis@blocks@clear macro clears the current page. It also clears the next left-hand (even-numbered) page, when double-sided typesetting is enabled.

```
914 \def\thesis@blocks@clear{%
915 \ifthesis@twoside@%
916 \clearpage%
917 \thispagestyle{empty}%
918 \cleardoublepage%
919 \else%
920 \newpage%
921 \fi}
```

\thesis@blocks@clearRight

The \thesis@blocks@clearRight macro clears the current page. It also clears the next right-hand (odd-numbered) page, when double-sided typesetting is enabled.

```
922 \def\thesis@blocks@clearRight{%
923 \ifthesis@twoside@%
      \clearpage%
924
      \ifodd\value{page}%
925
        \thispagestyle{empty}%
        \hbox{}%
927
928
         \newpage%
929
      \fi%
    \else%
930
931
      \newpage%
    \fi}
932
```

s@blocks@facultyLogo@monochrome

The $\ensuremath{\mbox{\sc hesis@blocks@facultyLogo@monochrome[$\langle options$\rangle$]}\mbox{\sc macro typesets the $\hesis@logopath\thesis@facultyLogo logo with the given $options$ passed to $\includegraphics.}$

```
933 \newcommand{\thesis@blocks@facultyLogo@monochrome}[1]%
934  [width=40mm]{{%
935   \edef\@path{\thesis@logopath\thesis@facultyLogo}%
936   \includegraphics[#1]{\@path}}}
```

thesis@blocks@facultyLogo@color

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

```
937 \newcommand{\thesis@blocks@facultyLogo@color}[1]%
938   [width=40mm]{{%
939    \edef\@path{\thesis@logopath\thesis@facultyLogo%
940   \ifthesis@color@-color\fi}%
941   \includegraphics[#1]{\@path}}}
```

locks@universityLogo@monochrome

The $\t \end{array} In acro typesets the $$ \t \end{array} array of the sis@logopath \end{array} on the sis@universityLogo logo with the given options passed to \end{array} on the sis@universityLogo logo with the given options passed to \end{array} on the sis@universityLogo logo with the given options passed to \end{array}.$

```
942 \newcommand{\thesis@blocks@universityLogo@monochrome}[1]%
943  [width=40mm]{{%
944  \edef\@path{\thesis@logopath\thesis@universityLogo}%
945  \includegraphics[#1]{\@path}}}
```

sis@blocks@universityLogo@color

The $\t \ensuremath{\t}$ thesis@blocks@universityLogo@color[$\t \ensuremath{\t}$] macro typesets either the $\t \ensuremath{\t}$ thesis@logopath $\t \ensuremath{\t}$ thesis@color@conditional is false, or the $\t \ensuremath{\t}$ thesis@logopath $\t \ensuremath{\t}$ thesis@universityLogo-color logo otherwise with the given options passed to $\t \ensuremath{\t}$ includegraphics.

```
946 \newcommand{\thesis@blocks@universityLogo@color}[1]%
947     [width=40mm]{{%
948      \edef\@path{\thesis@logopath\thesis@universityLogo%
949      \ifthesis@color@-color\fi}%
950     \includegraphics[#1]{\@path}}}
```

\thesis@blocks@cover

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

```
951 \def\thesis@blocks@cover{%
952 \ifthesis@cover@%
```

```
\thesis@blocks@clear%
953
       \begin{alwayssingle}%
954
955
         \thispagestyle{empty}%
956
         \begin{center}%
           \thesis@blocks@cover@header%
957
958
           \thesis@blocks@facultyLogo@monochrome\\[0.4in]%
           \let\footnotesize\small%
           \let\footnoterule\relax{}%
960
           \thesis@blocks@cover@content%
961
           \par\vfill%
962
           \thesis@blocks@cover@footer%
963
964
         \end{center}%
965
       \end{alwayssingle}%
966
```

The output of the \thesis@blocks@cover@header 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 modify the value of these conditionals to alter the output of the \thesis@blocks@cover@header macro without altering its definition.

```
\thesis@titlePage@Large\thesis@@{facultyName}\\%
980
     \fi\ifthesis@blocks@cover@department@%
981
           \thesis@titlePage@large\thesis@department\\%
982
         \fi}
983
    \ifthesis@blocks@cover@field@%
984
985
      {\thesis@titlePage@large\vskip 1em%
986
        {\bf\thesis@@{fieldTitle}:} \thesis@field}%
987
    \fi\vskip 2em}
988 \def\thesis@blocks@cover@content{%
    {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}%
990 \vskip 0.8in%
    {\thesis@titlePage@large\sc\thesis@0{typeName}}\\\[0.3in]\%
    {\thesis@titlePage@Large\bf\thesis@author}}
993 \def\thesis@blocks@cover@footer{%
994 {\thesis@titlePage@large\thesis@place, \thesis@@{semester}}}
```

\thesis@blocks@titlePage

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

```
995 \def\thesis@blocks@titlePage{%
       \thesis@blocks@clear%
997
       \begin{alwayssingle}%
998
          \thispagestyle{empty}%
999
          \begin{center}%
1000
            \thesis@blocks@titlePage@header%
1001
            \thesis@blocks@facultyLogo@color\\[0.4in]%
1002
            \let\footnotesize\small%
1003
            \let\footnoterule\relax{}%
            \thesis@blocks@titlePage@content%
1004
1005
            \par\vfill%
            \thesis@blocks@titlePage@footer%
1006
1007
          \end{center}%
1008
       \end{alwayssingle}}
```

The output of the \thesis@blocks@titlePage@header 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 modify the value of these conditionals to alter the output of the \thesis@blocks@titlePage@header macro without altering its definition.

```
1009 \newif\ifthesis@blocks@titlePage@university@
1010 \thesis@blocks@titlePage@university@true
1011 \newif\ifthesis@blocks@titlePage@faculty@
1012 \thesis@blocks@titlePage@faculty@true
1013 \newif\ifthesis@blocks@titlePage@department@
1014 \thesis@blocks@titlePage@department@false
1015 \newif\ifthesis@blocks@titlePage@field@
1016 \thesis@blocks@titlePage@field@false
1017
1018 \def\thesis@blocks@titlePage@header{%
     {\sc\ifthesis@blocks@titlePage@university@%
1020
            \thesis@titlePage@LARGE\thesis@@{universityName}\\%
1021
      \fi\ifthesis@blocks@titlePage@faculty@%
1022
            \thesis@titlePage@Large\thesis@@{facultyName}\\%
      \fi\ifthesis@blocks@titlePage@department@%
1023
1024
           \thesis@titlePage@large\thesis@department\\%
1025
     \ifthesis@blocks@titlePage@field@%
1026
1027
       {\thesis@titlePage@large\vskip 1em%
         {\bf\thesis@@{fieldTitle}:} \thesis@field}%
1028
1029 \fi\vskip 2em}
1030 \let\thesis@blocks@titlePage@content=\thesis@blocks@cover@content
1031 \let\thesis@blocks@titlePage@footer=\thesis@blocks@cover@footer
```

\thesis@blocks@tables

The \thesis@blocks@tables macro typesets the table of contents and optionally the \listoftables and the \listoffigures.

```
1032 \def\thesis@blocks@tables{%
1033  \thesis@blocks@clear%
1034  \tableofcontents%
1035  \thesis@blocks@lot%
1036  \thesis@blocks@lof}
```

\thesis@blocks@declaration

The \thesis@blocks@declaration macro typesets the declaration text.

```
1037 \def\thesis@blocks@declaration{%
1038 \thesis@blocks@clear%
1039 \begin{alwayssingle}%
1040 \chapter*{\thesis@declarationTitle}}%
1041 \thesis@declaration%
```

```
\vskip 2cm%
                            1042
                                    \hfill\thesis@author%
                            1043
                                 \end{alwayssingle}}
                            1044
    \thesis@blocks@thanks
                            The \thesis@blocks@thanks macro typesets the acknowledgement, if the \thesis@thanks
                            macro is defined. Otherwise, the macro produces no output.
                            1045 \def\thesis@blocks@thanks{%
                                 \ifx\thesis@thanks\undefined\else%
                            1046
                                    \thesis@blocks@clear%
                            1047
                                    \begin{alwayssingle}%
                            1048
                                      \chapter*{\vspace*{\fill}\thesis@@{thanksTitle}}%
                            1049
                            1050
                                      \thesis@thanks%
                                   \end{alwayssingle}%
                            1051
                                 \fi}
                            1052
 \thesis@blocks@abstract
                            The \thesis@blocks@abstract macro typesets the abstract.
                            1053 \def\thesis@blocks@abstract{%
                                 \begin{alwayssingle}%
                            1054
                                   % Start the new chapter without clearing the right page
                            1055
                            1056
                                    {\def\cleardoublepage{}
                                    \chapter*{\thesis@@{abstractTitle}}}%
                            1057
                            1058
                                    \noindent\thesis@abstract%
                            1059
                                    \par\vfil\null%
                            1060
                                 \end{alwayssingle}}
                            The \thesis@blocks@abstractEn macro typesets the abstract in English. If the
\thesis@blocks@abstractEn
                            current locale is English, the macro produces no output.
                            1061 \def\thesis@blocks@abstractEn{%
                                 \ifthesis@english\else%
                            1062
                                    {\thesis@selectLocale{english}%
                            1063
                                    \begin{alwayssingle}%
                            1064
                                     % Start the new chapter without clearing the right page
                            1065
                                      {\def\cleardoublepage{}%
                            1066
                            1067
                                      \chapter*{\thesis@english@abstractTitle}%
                                      \thesis@abstractEn}%
                            1068
                                      \par\vfil\null%
                            1069
                                    \end{alwayssingle}}%
                            1070
                            1071
                                 \fi}
                            The \thesis@blocks@keywords macro typesets the keywords.
 \thesis@blocks@keywords
                            1072 \def\thesis@blocks@keywords{%
                            1073
                                 \begin{alwayssingle}%
                                   % Start the new chapter without clearing the right page
                            1074
                                    {\def\cleardoublepage{}%
                            1075
                                    \chapter*{\thesis@@{keywordsTitle}}%
                            1076
                                    \noindent\thesis@TeXkeywords}%
                            1077
                                    \par\vfil\null%
                            1078
                                 \end{alwayssingle}}
                            1079
```

\thesis@blocks@keywordsEn

The \thesis@blocks@keywordsEn macro typesets the keywords in English. If the current locale is English, the macro produces no output.

```
1080 \def\thesis@blocks@keywordsEn{%
     \ifthesis@english\else%
1082
       {\thesis@selectLocale{english}%
1083
        \begin{alwayssingle}%
1084
         % Start the new chapter without clearing the right page
1085
         {\def\cleardoublepage{}%
         \chapter*{\thesis@english@keywordsTitle}%
1086
1087
         \thesis@TeXkeywordsEn}%
1088
         \par\vfil\null%
1089
       \end{alwayssingle}}%
     \fi}
1090
```

\thesis@blocks@assignment

The \thesis@blocks@assignment macro either:

- Produces no output, 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.

 $\verb|\label{thesis@blocks@assignment@}| The default value of the \verb|\label{thesis@blocks@assignment@}| true.$

```
1091 \newif\ifthesis@blocks@assignment@
1092 \thesis@blocks@assignment@true
1093 \def\thesis@blocks@assignment{%
     \ifthesis@blocks@assignment@%
       \ifx\thesis@assignmentFiles\undefined%
1095
1096
         % Typeset a placeholder page.
1097
         \thesis@blocks@clear%
         \begin{alwayssingle}%
1098
           \thispagestyle{empty}%
1099
           1100
           \noindent\textit{\thesis@@{assignment}}%
1101
         \end{alwayssingle}%
1102
       \else%
1103
         {\edef\@pdfList{\thesis@assignmentFiles}%
1104
         \ifx\@pdfList\empty\else
1105
           \let\ea\expandafter
1106
           % Inject the specified PDF documents.
1107
           \def\@inject##1,{\thesis@blocks@clear
1108
1109
             \def\@args{##1}\def\@relax{\relax}%
1110
             \ifx\@args\@relax\else%
```

```
% Trim leading spaces.
1111
                \edef\@trimmed{\romannumeral-'\.##1}%
1112
                \includepdf[pages=-]\@trimmed
1113
                \ea\@inject\fi}%
1114
            \ea\@inject\@pdfList,\relax,%
1115
1116
         \fi}%
1117
       \fi%
1118
     \fi}
```

\thesis@blocks@mainMatter

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

```
1119 \def\thesis@blocks@mainMatter{%
1120 \thesis@blocks@clear
1121 \setcounter{page}{1}
1122 \pagenumbering{arabic}
1123 \pagestyle{thesisheadings}
1124 \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 fithesis-10.clo, fithesis-11.clo or fithesis-12.clo file is loaded from the \thesis@stylepath mu directory, respectively.

```
1125% Table of contents will contain sectioning commands up to
1126% \subsubsection
1127 \setcounter{tocdepth}{4}
1129% Load the 'fithesis-1*.clo' size option
1130 \input\thesis@stylepath mu/fithesis-1\thesis@ptsize.clo\relax
1132 \def\ps@thesisheadings{%
1133 \def\chaptermark##1{%
1134 \markright{%
1135 \ifnum\c@secnumdepth >\m@ne
1136 \thechapter.\ %
1137 \fi ##1}}
1138 \let\@oddfoot\@empty
1139 \let\@oddhead\@empty
1140 \def\@oddhead{\vbox{\hbox to \textwidth{%
1141 \hfil{\sc\rightmark}}\vskip 4pt\hrule}}
1142 \if@twoside
1143 \def\@evenhead{\vbox{\hbox to \textwidth{%
1144 {\sc\rightmark}\hfil}\vskip 4pt\hrule}}
1145 \else
1146 \let\@evenhead\@oddhead
1147\fi
1148 \def\@oddfoot{\hfil\PageFont\thepage}
1149 \if@twoside
1150 \def\@evenfoot{\PageFont\thepage\hfil}%
```

```
1151 \else
1152 \let\@evenfoot\@oddfoot
1153 \fi
1154 \leq 0 
1155 }
1157% Redefines the style of the chapter headings
1158 \renewcommand*\chapter{%
1159 \if@twoside
1160 \clearpage
1161 \thispagestyle{empty}
1162 \cleardoublepage
1163 \else
1164 \clearpage
1165\fi
1166 \thispagestyle{plain}%
1167 \global\ellower \global
1168 \@afterindentfalse
1169 \secdef\@chapter\@schapter}
1171% Redefines the style of part headings
1172 \renewcommand*\part{%
1173 \clearpage
1174 \thispagestyle{empty}
1175 \cleardoublepage
1176 \thispagestyle{empty}%
1177 \if@twocolumn%
1178 \onecolumn
1179 \@tempswatrue
1180 \else
1181 \@tempswafalse
1182 \fi
1183 \hbox{}\vfil
1184 \secdef\@part\@spart}
1185
1186 \newif\if@restonecol
1187 \def\alwayssingle{%
\verb| 1188 | @restonecolfalse if @two column @restone coltrue one column if if a continuous column is a continuous continu
1189 \def\endalwayssingle{\if@restonecol\twocolumn\fi}
1191 \renewcommand*\l@part[2]{%
1192 \ifnum \c@tocdepth >-2\relax
                                 \addpenalty{-\@highpenalty}%
1193
                                 \addvspace{0.5em \@plus\p@}%
1194
1195
                                 \begingroup
1196
                                          \setlength\@tempdima{3em}%
1197
                                           \parindent \z@ \rightskip \@pnumwidth
                                           \parfillskip -\@pnumwidth
1198
1199
                                           {\leavevmode
                                               1200
```

```
\nobreak
1201
             \global\@nobreaktrue
1202
             \everypar{\global\@nobreakfalse\everypar{}}%
1203
       \endgroup
1204
       \addvspace{0.2em \@plus\p@}%
1205
1206
     \fi}
1207
1208 \renewcommand*\l@chapter[2]{%
     \ifnum \c@tocdepth >\m@ne
1209
       \addpenalty{-\@highpenalty}%
1210
       \vskip 1.0em \@plus\p@
1211
1212
       \setlength\@tempdima{1.5em}%
1213
       \begingroup
         \parindent \z@ \rightskip \@pnumwidth
1214
          \parfillskip -\@pnumwidth
1215
          \leavevmode \bfseries
1216
          \advance\leftskip\@tempdima
1217
          \hskip -\leftskip
1218
1219
         1\ \nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1220
          \penalty\@highpenalty
1221
       \endgroup
1222
     \fi}
1223
1224 \renewcommand*\l@chapter{\@dottedtocline{1}{0em}{1.5em}}
1225 \renewcommand*\l@section{\@dottedtocline{2}{1.5em}{2.3em}}
1226 \renewcommand*\l@subsection{\@dottedtocline{3}{3.8em}{3.2em}}
1227 \renewcommand*\l@subsubsection{\@dottedtocline{4}{7.0em}{3.8em}}
```

3.6.2.3 The style/mu/fithesis-10.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.

```
1228 (*opt)
1229 (*10pt)
1230 \ProvidesFile{fithesis/style/mu/fithesis-10.clo}[2015/06/23]
1232 \renewcommand{\normalsize}{\fontsize\@xpt{12}\selectfont%
1233 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1234 \belowdisplayskip \abovedisplayskip
1235 \abovedisplayshortskip \z@ plus3\p@
1236 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1237 \let\@listi\@listI}
1238
1239 \renewcommand{\small}{\fontsize\@ixpt{11}\selectfont%
1240 \abovedisplayskip 8.5\p@ plus3\p@ minus4\p@
1241 \belowdisplayskip \abovedisplayskip
1242 \abovedisplayshortskip \z@ plus2\p@
1243 \belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
1244 \def\@listi{\leftmargin\leftmargini
1245 \topsep 4\p@ plus2\p@ minus2\p@\parsep 2\p@ plus\p@ minus\p@
```

```
1246 \itemsep \parsep}}
1247
1248 \renewcommand{\footnotesize}{\fontsize\@viiipt{9.5}\selectfont%
1249 \abovedisplayskip 6\p@ plus2\p@ minus4\p@
1250 \belowdisplayskip \abovedisplayskip
1251 \abovedisplayshortskip \z@ plus\p@
1252 \belowdisplayshortskip 3\p@ plus\p@ minus2\p@
1253 \def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
1254 \topsep 3\p@ plus\p@ minus\p@\parsep 2\p@ plus\p@ minus\p@
1255 \itemsep \parsep}}
1256
1257 \renewcommand{\scriptsize}{\fontsize\@viipt{8pt}\selectfont}
1258 \renewcommand{\tiny}{\fontsize\@vpt{6pt}\selectfont}
1259 \renewcommand{\large}{\fontsize\@xiipt{14pt}\selectfont}
1260 \renewcommand{\Large}{\fontsize\@xivpt{18pt}\selectfont}
1261 \renewcommand{\LARGE}{\fontsize\@xviipt{22pt}\selectfont}
1263 \renewcommand{\Huge}{\fontsize\@xxvpt{30pt}\selectfont}
1265 (/10pt)
```

3.6.2.4 The style/mu/fithesis-11.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.

```
1266 (*11pt)
1267 \ProvidesFile{fithesis/style/mu/fithesis-11.clo}[2015/06/23]
1268
1269 \renewcommand{\normalsize}{\fontsize\@xipt{14}\selectfont%
1270 \abovedisplayskip 11\p@ plus3\p@ minus6\p@
1271 \belowdisplayskip \abovedisplayskip
1272 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1273 %\abovedisplayshortskip \z@ plus3\@p
1274 \let\@listi\@listI}
1276 \mbox{ } 
1277 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1278 \belowdisplayskip \abovedisplayskip
1279 \abovedisplayshortskip \z@ plus3\p@
1280 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1281 \def\@listi{\leftmargin\leftmargini
1282 \topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
1283 \itemsep \parsep}}
1285 \renewcommand{\footnotesize}{\fontsize\@ixpt{11}\selectfont%
1286 \abovedisplayskip 8\p@ plus2\p@ minus4\p@
1287 \belowdisplayskip \abovedisplayskip
1288 \abovedisplayshortskip \z@ plus\p@
1289 \belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
1290 \def\@listi{\leftmargin\leftmargini
```

```
\label{topsep 4persep} $$1291 \to \varphi \left(\frac{pus^pe minus^pe pus^pe minus^pe pus^pe pus^pe
```

3.6.2.5 The style/mu/fithesis-12.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 macros as well:

\thesis@titlePage@normalsize

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

\thesis@titlePage@small

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

\thesis@titlePage@footnotesize

• \thesis@titlePage@footnotesize - Equivalent to \footnotesize

\thesis@titlePage@scriptsize

• \thesis@titlePage@scriptsize - Equivalent to \scriptsize

\thesis@titlePage@tiny

• \thesis@titlePage@tiny - Equivalent to \tiny

\thesis@titlePage@large

• \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@huge

• \thesis@titlePage@huge - Equivalent to \huge

 $\text{ \text{thesis@titlePage@Huge} }$

• \thesis@titlePage@Huge - Equivalent to \Huge

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

```
1314 \def\thesis@titlePage@small{\fontsize\@xipt{13.6}\selectfont%
1315 \abovedisplayskip 11\p@ plus3\p@ minus6\p@
1316 \belowdisplayskip \abovedisplayskip
1317 \abovedisplayshortskip \z@ plus3\p@
1318 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1319 \def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
1320 \neq 4.5 \neq plus2 \neq minus \neq 0
1321
               \itemsep \parsep
1322
               \topsep 9\p@ plus3\p@ minus5\p@}}
1323
1324 \def\thesis@titlePage@footnotesize{\fontsize\@xpt{12}\selectfont%
1325 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1326 \belowdisplayskip \abovedisplayskip
1327 \abovedisplayshortskip \z@ plus3\p@
1328 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1329 \def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
1330 \topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
1331 \itemsep \parsep}}
1333 \def\thesis@titlePage@scriptsize{\fontsize\@viiipt{9.5pt}\selectfont}
1334 \def\thesis@titlePage@tiny{\fontsize\@vipt{7pt}\selectfont}
1335 \def\thesis@titlePage@large{\fontsize\@xivpt{18pt}\selectfont}
1337 \def\thesis@titlePage@LARGE{\fontsize\@xxpt{25pt}\selectfont}
1338 \def\thesis@titlePage@huge{\fontsize\@xxvpt{30pt}\selectfont}
1339 \def\thesis@titlePage@Huge{\fontsize\@xxvpt{30pt}\selectfont}
1340
1341 (*12pt)
1342 \renewcommand{\normalsize}{\thesis@titlePage@normalsize}
1343 \renewcommand{\small}{\thesis@titlePage@small}
1344 \renewcommand{\footnotesize}{\thesis@titlePage@footnotesize}
1345 \renewcommand{\scriptsize}{\thesis@titlePage@scriptsize}
1346 \renewcommand{\tiny}{\thesis@titlePage@tiny}
1347 \renewcommand{\large}{\thesis@titlePage@large}
1348 \renewcommand{\Large}{\thesis@titlePage@Large}
1349 \renewcommand{\LARGE}{\thesis@titlePage@LARGE}
1350 \renewcommand{\huge}{\thesis@titlePage@huge}
1351 \renewcommand{\Huge}{\thesis@titlePage@Huge}
1352 (/12pt)
1353 \let\@normalsize\normalsize
1354 \normalsize
1355
1356 \if@twoside
      \oddsidemargin 0.75in
1357
1358
      \evensidemargin 0.4in
1359
      \marginparwidth 0pt
1360 \else
1361
      \oddsidemargin 0.75in
      \evensidemargin 0.75in
1362
      \marginparwidth 0pt
1363
```

```
1364\fi
1365 \marginparsep 10pt
1366
1367 \topmargin 0.4in
1368
1369 \headheight 20pt
1370 \headsep 10pt
1371 \topskip 10pt
1372 \footskip 30pt
1373
1374 (*10pt)
1375 \textheight = 43\baselineskip
1376 \advance\textheight by \topskip
1377 \textwidth 5.0truein
1378 \columnsep 10pt
1379 \columnseprule 0pt
1380
1381 \footnotesep 6.65pt
1382\skip\footins 9pt plus 4pt minus 2pt
1383 \floatsep 12pt plus 2pt minus 2pt
1384 \textfloatsep 20pt plus 2pt minus 4pt
1385 \intextsep 12pt plus 2pt minus 2pt
1386 \dblfloatsep 12pt plus 2pt minus 2pt
1387 \dbltextfloatsep 20pt plus 2pt minus 4pt
1389 \@fptop Opt plus 1fil
1390 \@fpsep 8pt plus 2fil
1391 \@fpbot Opt plus 1fil
1392 \@dblfptop 0pt plus 1fil
1393 \@dblfpsep 8pt plus 2fil
1394 \@dblfpbot 0pt plus 1fil
1395 \marginparpush 5pt
1397 \parskip Opt plus 1pt
1398 \partopsep 2pt plus 1pt minus 1pt
1399
1400 (/10pt)
1401 %
1402 (*11pt)
1403 \textheight = 39\baselineskip
1404 \advance\textheight by \topskip
1405 \textwidth 5.0truein
1406 \columnsep 10pt
1407 \columnseprule 0pt
1408
1409 \footnotesep 7.7pt
1410 \skip\footins 10pt plus 4pt minus 2pt
1411 \floatsep 12pt plus 2pt minus 2pt
1412 \textfloatsep 20pt plus 2pt minus 4pt
1413 \intextsep 12pt plus 2pt minus 2pt
```

```
1414 \dblfloatsep 12pt plus 2pt minus 2pt
1415 \dbltextfloatsep 20pt plus 2pt minus 4pt
1416
1417 \@fptop 0pt plus 1fil
1418 \@fpsep 8pt plus 2fil
1419 \@fpbot Opt plus 1fil
1420 \@dblfptop 0pt plus 1fil
1421 \@dblfpsep 8pt plus 2fil
1422 \@dblfpbot 0pt plus 1fil
1423 \marginparpush 5pt
1424
1425 \parskip Opt plus Opt
1426 \partopsep 3pt plus 1pt minus 2pt
1428\left</11pt\right>
1429 %
1430 \langle *12pt \rangle
1431 \textheight = 37\baselineskip
1432 \advance\textheight by \topskip
1433 \textwidth 5.0truein
1434 \columnsep 10pt
1435 \columnseprule 0pt
1436
1437 \footnotesep 8.4pt
1438 \skip\footins 10.8pt plus 4pt minus 2pt
1439 \floatsep 14pt plus 2pt minus 4pt
1440 \textfloatsep 20pt plus 2pt minus 4pt
1441 \intextsep 14pt plus 4pt minus 4pt
1442 \dblfloatsep 14pt plus 2pt minus 4pt
1443 \dbltextfloatsep 20pt plus 2pt minus 4pt
1444
1445 \@fptop 0pt plus 1fil
1446 \@fpsep 10pt plus 2fil
1447 \@fpbot Opt plus 1fil
1448 \@dblfptop 0pt plus 1fil
1449 \@dblfpsep 10pt plus 2fil
1450 \@dblfpbot 0pt plus 1fil
1451 \marginparpush 7pt
1453 \parskip Opt plus Opt
1454 \partopsep 3pt plus 2pt minus 2pt
1456 (/12pt)
1457 \@lowpenalty 51
1458 \@medpenalty 151
1459 \@highpenalty 301
1460 \@beginparpenalty -\@lowpenalty
1461 \@endparpenalty -\@lowpenalty
1462 \@itempenalty
                       -\@lowpenalty
1463
```

```
1464 \def\@makechapterhead#1{%
1465
               {%
                       \sting $$\sting Th\parindent{\z@}%
1466
                       1467
                       \ifnum
1468
1469
                            \c@secnumdepth >\m@ne
1470
                            \par\nobreak
                            \vskip 10\p@
1471
1472
                      \fi
                       \Large \ChapFont \thechapter{} \space #1\par
1473
1474
                       \nobreak
                       \vskip 20\p@
1475
1476
                }%
1477 }
1478
1479 \def\@makeschapterhead#1{%
1480
                      \strut \
1481
1482
                       \setlength\parskip {\z@}%
1483
                       \Large \ChapFont #1\par
                       \nobreak
1484
                      \vskip 20\p@
1485
                }%
1486
1487 }
1488
1489 \def\chapter{%
1490
                   \clearpage
                    \thispagestyle{plain}
1491
                    \global\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{\@decommunitar}\ensuremath{
1492
                    \@afterindentfalse
1493
                    \secdef\@chapter\@schapter
1494
1495 }
1496
1497 \def\@chapter[#1]#2{%
1498
                \ifnum \c@secnumdepth
1499
                      >\m@ne
                       \refstepcounter{chapter}%
1500
                       \typeout{\@chapapp\space\thechapter.}%
1501
1502
                       \addcontentsline{toc}{chapter}{\protect
1503
                       \numberline{\thechapter}\bfseries #1}
1504
                \else%
                      \addcontentsline{toc}{chapter}{\bfseries #1}
1505
                \fi
1506
                \chaptermark{#1}%
1507
1508
                \addtocontents{lof}%
                {\protect\addvspace{4\p@}}
1510
                \addtocontents{lot}%
                {\tt \{\protect\addvspace\{4\p0\}\}}
1511
1512
                \if@twocolumn
                       \@topnewpage[\@makechapterhead{#2}]%
1513
```

```
\else
1514
                 \@makechapterhead{#2}%
1515
                 \@afterheading
1516
1517
           \fi
1518 }
1519
1520 %\def\@schapter#1{\if@twocolumn \@topnewpage[\@makeschapterhead{#1}]%
1521 %
                            \else \@makeschapterhead{#1}%
1522 %
                                          \markright{#1}
1523 %
                                          \@afterheading\fi}
1524
1525 \ensuremath{\ensuremath{\mbox{1}}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\co
                 -.2ex}{2.3ex plus.2ex}{\reset@font\large\bfseries}}
1527 \def\subsection{\@startsection{subsection}{2}{\z@}{-3.25ex plus-1ex
                minus-.2ex}{1.5ex plus.2ex}{\reset@font\normalsize\bfseries}}
1529 \def\subsubsection{\ensuremath{\color{0}}{3}{\ze}{-3.25ex plus}
                 -1ex minus-.2ex}{1.5ex plus.2ex}{\reset@font\normalsize}}
1530
1531 \def\paragraph{\@startsection
                 {paragraph}{4}{\z@}{3.25ex plus1ex minus.2ex}{-1em}{\reset@font}
1533
                 \normalsize\bfseries}}
1534 \def\subparagraph{\@startsection
                  {subparagraph}{4}{\parindent}{3.25ex plus1ex minus
1535
                   .2ex}{-1em}{\reset@font\normalsize\bfseries}}
1536
1537
1538 \setcounter{secnumdepth}{2}
1539
1540 \def\appendix{\par
1541
           \setcounter{chapter}{0}%
           \setcounter{section}{0}%
1542
           \def\@chapapp{\appendixname}%
1543
           \def\thechapter{\Alph{chapter}}}
1544
1545
1546 \leftmargini 2.5em
1547 \leftmarginii 2.2em
                                                              % > \labelsep + width of '(m)'
1548 \leftmarginiii 1.87em % > \labelsep + width of 'vii.'
1549 \leftmarginiv 1.7em
                                                              % > \labelsep + width of 'M.'
1550 \leftmarginv 1em
1551 \leftmarginvi 1em
1552
1553 \leftmargin\leftmargini
1554 \labelsep .5em
1555 \labelwidth\leftmargini\advance\labelwidth-\labelsep
1556
1557 (*10pt)
1558 \def\@listI{\leftmargin\leftmargini \parsep 4\p@ plus2\p@ minus\p@%
1559 \topsep 8\p@ plus2\p@ minus4\p@
1560 \itemsep 4\p@ plus2\p@ minus\p@}
1562 \let\@listi\@listI
1563 \@listi
```

```
1564
1565 \def\@listii{\leftmargin\leftmarginii
               \labelwidth\leftmarginii\advance\labelwidth-\labelsep
1566
               \topsep 4\p@ plus2\p@ minus\p@
1567
               \parsep 2\p@ plus\p@ minus\p@
1568
1569
               \itemsep \parsep}
1570
1571 \def\@listiii{\leftmargin\leftmarginiii
                 \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1572
                 \topsep 2\p@ plus\p@ minus\p@
1573
                 \parsep \z@ \partopsep\p@ plus\z@ minus\p@
1574
1575
                 \itemsep \topsep}
1576
1577 \def\@listiv{\leftmargin\leftmarginiv
                   \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1578
1579
1580 \def\@listv{\leftmargin\leftmarginv
                   \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1581
1582
1583 \def\@listvi{\leftmargin\leftmarginvi
                   \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1585 (/10pt)
1586 %
1587 (*11pt)
1588 \end{align} $$1588 \end{a
1589 \topsep 9\p@ plus3\p@ minus5\p@
1590 \itemsep 4.5\p@ plus2\p@ minus\p@}
1591
1592 \let\@listi\@listI
1593 \@listi
1594
1595 \def\@listii{\leftmargin\leftmarginii
1596
               \labelwidth\leftmarginii\advance\labelwidth-\labelsep
               \topsep 4.5\p@ plus2\p@ minus\p@
1597
1598
               \parsep 2\p@ plus\p@ minus\p@
1599
              \itemsep \parsep}
1600
1601 \def\@listiii{\leftmargin\leftmarginiii
1602
                 \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
                 \topsep 2\p@ plus\p@ minus\p@
1603
1604
                 \parsep \z@ \partopsep \p@ plus\z@ minus\p@
1605
                 \itemsep \topsep}
1606
1607 \def\@listiv{\leftmargin\leftmarginiv
1608
                   \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1609
1610 \def\@listv{\leftmargin\leftmarginv
1611
                   \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1612
1613 \def\@listvi{\leftmargin\leftmarginvi
```

```
\labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1614
1615 \langle/11pt\rangle
1616 %
1617 (*12pt)
1618 \ensuremath{\mbox{def}\ensuremath{\mbox{elistI}{\mbox{leftmargini } parsep 5\pe plus2.5\pe minus\pe minus\pe plus2.5\pe minus\pe minus\pe plus2.5\pe minus\pe minus\pe plus2.5\pe minus\pe minus\p
1619 \topsep 10\p@ plus4\p@ minus6\p@
1620 \itemsep 5\p@ plus2.5\p@ minus\p@}
1622 \let\@listi\@listI
1623 \@listi
1624
1625 \def\@listii{\leftmargin\leftmarginii
                   \labelwidth\leftmarginii\advance\labelwidth-\labelsep
                   \topsep 5\p@ plus2.5\p@ minus\p@
1627
                   \parsep 2.5\p@ plus\p@ minus\p@
1628
                   \itemsep \parsep}
1629
1630
1631 \def\@listiii{\leftmargin\leftmarginiii
                      \verb|\label| width \verb|\label| sep|
1633
                      \topsep 2.5\p@ plus\p@ minus\p@
                      \parsep \z@ \partopsep \p@ plus\z@ minus\p@
1634
1635
                      \itemsep \topsep}
1636
1637 \def\@listiv{\leftmargin\leftmarginiv
                         \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1638
1639
1640 \def\@listv{\leftmargin\leftmarginv
                         \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1641
1642
1643 \def\@listvi{\leftmargin\leftmarginvi
                         \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1644
1645 (/12pt)
1646 (/opt)
```

3.6.3 The style files of the Faculty of Informatics

3.6.3.1 The style/mu/fithesis-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.

```
1647 \NeedsTeXFormat{LaTeX2e}
1648 \ProvidesPackage{fithesis/style/mu/fithesis-fi}[2015/06/27]
The file defines the color scheme of the respective faculty.
1649 \thesis@color@setup{
1650 links={HTML}{FFD451},
1651 tableEmph={HTML}{FFD451},
```

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

```
tableOdd={HTML}{FFF9E5},
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.

```
1654\ifx\thesis@type\thesis@bachelors\else
1655\ifx\thesis@type\thesis@masters\else
1656 \thesis@blocks@assignment@false
1657\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 macros:

\thesis@advisorSignature

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

```
1658 \def\thesis@blocks@titlePage@content{%
       {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}\vskip 0.8in
1659
       {\tt \{\thesis@titlePage@large\sc\thesis@0{typeName}\[0.3in]\}}
1660
       {\thesis@titlePage@Large\bf\thesis@author}
1661
       % If this is a rigorous thesis, typeset the name of the
1662
       % thesis advisor.
1663
       \ifx\thesis@type\thesis@rigorous%
1664
         {\thesis@titlePage@large\\[0.3in]
1665
            {\bf\thesis@@{advisorTitle}:} \thesis@advisor}
1666
       \fi}%
1667
1668 \def\thesis@blocks@titlePage@footer{%
     {\thesis@titlePage@large\thesis@place, \thesis@@{semester}
1670 % If this is a rigorous thesis, create space for the advisor's
1671 % signature
     \ifx\thesis@type\thesis@rigorous%
1672
       \let\@A\relax\newlength{\@A}
1673
          \settowidth{\@A}{\thesis@@{advisorSignature}}
1674
         \left( \mathbb{QA} \right) 
1675
       \ \left(-0.5em\right)_{\parbox{\QA}}{
1676
1677
         \centering
          \rule{\@A}{1pt}\\
1678
1679
         \thesis@@{advisorSignature}
1680
       }}
1681
     \fi}}
```

\thesis@blocks@declaration

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

```
1682 \def\thesis@blocks@declaration{%
1683 \thesis@blocks@clear%
1684 \begin{alwayssingle}%
1685 \chapter*{\thesis@@{declarationTitle}}%
```

```
1686 \thesis@declaration%
1687 \vskip 2cm%
1688 \hfill\thesis@author%
1689 \par\vfill%
1690 \textbf{\thesis@@{advisorTitle}:} \thesis@advisor%
1691 \par\vfil%
1692 \end{alwayssingle}}
```

All blocks within the autolayout preamble that are not defined within this file are defined in the style/mu/fithesis-base.sty file.

```
1693 \def\thesis@preamble{%
1694 \thesis@blocks@cover%
     \thesis@blocks@titlePage%
1695
     \thesis@blocks@frontMatter%
1696
       \thesis@blocks@assignment%
1697
       \thesis@blocks@declaration%
1698
       \thesis@blocks@thanks%
1699
1700
       \thesis@blocks@clearRight%
1701
         \thesis@blocks@abstract%
         \thesis@blocks@keywords%
1702
1703
       \thesis@blocks@tables%
     \thesis@blocks@mainMatter}
1704
```

3.6.4 The style files of the Faculty of Science

3.6.4.1 The style/mu/fithesis-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.

```
1705 \NeedsTeXFormat{LaTeX2e} 1706 \ProvidesPackage{fithesis/style/mu/fithesis-sci}[2015/06/27]
```

The file defines the color scheme of the respective faculty.

```
1707 \thesis@color@setup{
1708 links={HTML}{20E366},
1709 tableEmph={HTML}{8EDEAA},
1710 tableOdd={HTML}{EDF7F1},
1711 tableEven={HTML}{CCEDD8}}
```

The file freely uses Czech locale strings within the macros.

1712 \thesis@requireLocale{czech}

The file loads the following packages:

- tikz Used for dimension arithmetic.
- changepage Used for width adjustments.

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

```
1713 \thesis@require{tikz}
1714 \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.

1715\ifx\thesis@type\thesis@bachelors\else
1716\ifx\thesis@type\thesis@masters\else
1717 \thesis@blocks@assignment@false
1718\fi\fi

\thesis@blocks@bibEntry

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

\thesis@czech@bib@title

- \thesis@czech@bib@title The title of the entire 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 of study 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

```
1719 \def\thesis@blocks@bibEntry{%
    \begin{alwayssingle}%
1720
      {% Start the new chapter without clearing the right page
1721
      {\def\cleardoublepage{}%
1722
      \chapter*{\thesis@czech@bib@title}}%
1723
      % Calculate the width of the columns
1724
1725
      \left( \mathbb{A}\right) 
       \bf\thesis@czech@bib@author:}}
1726
      1727
       \bf\thesis@czech@bib@thesisTitle:}}
1728
      1729
       \bf\thesis@czech@bib@programme:}}
1730
      1731
       \bf\thesis@czech@bib@field:}}
1732
      % Unless this is a rigorous thesis, we will be typesetting the
1733
      % name of the thesis advisor.
1734
      \let\@E\relax\newlength{\@E}
1735
       \ifx\thesis@type\thesis@rigorous%
1736
1737
         \setlength{\@E}{0pt}%
1738
       \else%
```

```
\settowidth{\@E}{{\bf\thesis@czech@bib@advisor:}}
1739
1740
       1741
         \bf\thesis@czech@bib@academicYear:}}
1742
       \ \left( \G\right) \simeq \G(\G) \
1743
1744
         \bf\thesis@czech@bib@pages:}}
1745
       \left(\end{A}\right) \
         \bf\thesis@czech@bib@keywords:}}
1746
       \let\@skip\relax\newlength{\@skip}\setlength{\@skip}{16pt}
1747
       \label{left} $$ \left( \mathbb{C}^{\theta} \right) = \mathbb{C}^{\theta} .
1748
         max(\@A,\@B,\@C,\@D,\@E,\@F,\@G,\@H)
1749
1750
       \let\@right\relax\newlength{\@right}\setlength{\@right}{%
1751
         \textwidth-\@left-\@skip}
       % Typeset the table
1752
       \renewcommand{\arraystretch}{2}
1753
       \noindent\begin{thesis@newtable@old}%
1754
         \{0{p}(\theta)p{\theta}\
1755
         \textbf{\thesis@czech@bib@author:} &
1756
1757
           \noindent\parbox[t]{\@right}{
1758
             \thesis@author\\
             \thesis@czech@facultyName,
1759
             \thesis@czech@universityName\\
1760
             \thesis@department
1761
           }\\
1762
         \textbf{\thesis@czech@bib@thesisTitle:}
1763
           & \thesis@title \\
1764
         \textbf{\thesis@czech@bib@programme:}
1765
1766
           & \thesis@programme \\
         \textbf{\thesis@czech@bib@field:}
1767
           & \thesis@field \\
1768
         % Unless this is a rigorous thesis, typeset the name of the
1769
1770
         % thesis advisor.
1771
         \ifx\thesis@type\thesis@rigorous\else%
           \textbf{\thesis@czech@bib@advisor:}
1772
             & \thesis@advisor \\
1773
1774
         \fi
         \textbf{\thesis@czech@bib@academicYear:}
1775
           & \thesis@academicYear \\
1776
1777
         \textbf{\thesis@czech@bib@pages:}
           & \thesis@pages \\
1778
1779
         \textbf{\thesis@czech@bib@keywords:}
1780
           & \thesis@TeXkeywords \\
       \end{thesis@newtable@old}}
1781
1782
     \end{alwayssingle}}
```

\thesis@blocks@bibEntryEn

The \thesis@blocks@bibEntryEn 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 macros:

\thesis@english@bib@title

• \thesis@english@bib@title - The title of the entire 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 of study 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

```
1783 \def\thesis@blocks@bibEntryEn{%
1784 {\thesis@selectLocale{english}
           \begin{alwayssingle}
                % Start the new chapter without clearing the right page
1786
1787
                {\def\cleardoublepage{}%
                \chapter*{\thesis@english@bib@title}}%
1788
                {% Calculate the width of the columns
1789
                \left( \mathbb{A}\right) 
1790
1791
                     \bf\thesis@english@bib@author:}}
1792
                \left(\B\right)\
                     \bf\thesis@english@bib@thesisTitle:}}
1793
                1794
                     \bf\thesis@english@bib@programme:}}
1795
                1796
                     \bf\thesis@english@bib@field:}}
1797
                % Unless this is a rigorous thesis, we will be typesetting
1798
                % the name of the thesis advisor.
1799
                \let\@E\relax\newlength{\@E}
1800
                     \ifx\thesis@type\thesis@rigorous%
1801
                          \setlength{\@E}{0pt}%
1802
                     \else%
1803
1804
                          \settowidth{\@E}{{\bf\thesis@english@bib@advisor:}}
1805
                \left( \F\right) 
1806
                     \bf\thesis@english@bib@academicYear:}}
1807
                \left( \G\right) \simeq \left( \G\right) \
1808
                     \bf\thesis@english@bib@pages:}}
1809
                \left(\H\right)\
1810
                     \bf\thesis@english@bib@keywords:}}
1811
                \let\@skip\relax\newlength{\@skip}\setlength{\@skip}{16pt}
1812
                \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
1813
                     max(\@A,\@B,\@C,\@D,\@E,\@F,\@G,\@H)
1814
1815
                \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{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ens
                     \textwidth-\@left-\@skip}
1816
1817
                % Typeset the table
1818
                \renewcommand{\arraystretch}{2}
```

```
\noindent\begin{thesis@newtable@old}%
1819
         \{0{p}(\theta)p{\theta}\
1820
            \textbf{\thesis@english@bib@author:} &
1821
              \noindent\parbox[t]{\@right}{
1822
                \thesis@author\\
1823
                \thesis@english@facultyName,
1824
1825
                \thesis@english@universityName\\
1826
                \thesis@departmentEn
             }\\
1827
            \textbf{\thesis@english@bib@thesisTitle:}
1828
             & \thesis@titleEn \\
1829
            \textbf{\thesis@english@bib@programme:}
1830
             & \thesis@programmeEn \\
1831
            \textbf{\thesis@english@bib@field:}
1832
             & \thesis@fieldEn \\
1833
           % Unless this is a rigorous thesis, typeset the name of the
1834
           % thesis advisor.
1835
            \ifx\thesis@type\thesis@rigorous\else%
1836
1837
             \textbf{\thesis@english@bib@advisor:}
1838
                & \thesis@advisor \\
1839
            \textbf{\thesis@english@bib@academicYear:}
1840
             & \thesis@academicYear \\
1841
            \textbf{\thesis@english@bib@pages:}
1842
1843
              & \thesis@pages \\
            \textbf{\thesis@english@bib@keywords:}
1844
              & \thesis@TeXkeywordsEn \\
1845
          \end{thesis@newtable@old}}
1846
       \end{alwayssingle}
1847
1848
     }}
```

\thesis@blocks@frontMatter

\thesis@blocks@cover

1857

The \thesis@blocks@frontMatter 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.

```
1849 \def\thesis@blocks@frontMatter{%
1850 \pagestyle{empty}
1851 \parindent 1.5em
1852 \setcounter{page}{1}
1853 \pagenumbering{roman}}

The \thesis@blocks@cover macro typesets the thesis cover.
1854 \def\thesis@blocks@cover{%
1855 \ifthesis@cover@
1856 \thesis@blocks@clear
```

\begin{alwayssingle}

1858 \thispagestyle{empty}
1859 \begin{center}
1860 {\sc\thesis@titlePage@LARGE\thesis@czech@universityName\\%
1861 \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%

```
\thesis@titlePage@large\thesis@department}
1862
          \vfill
1863
          {\bf\thesis@titlePage@Huge\thesis@czech@typeName}
1864
          \vfill
1865
          {\thesis@titlePage@large\thesis@place
1866
1867
           \ \thesis@year\hfill\thesis@author}
1868
          \end{center}
        \end{alwayssingle}
1869
1870
     \fi}
```

\thesis@blocks@titlePage

The \thesis@blocks@titlePage 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.

```
1871 \def\thesis@blocks@titlePage{%
1872
     \thesis@blocks@clear
1873
     \begin{alwayssingle}
1874
       \thispagestyle{empty}
1875
       % The top of the page
       \begin{adjustwidth}{-12mm}{}
1876
          \begin{minipage}{30mm}
1877
1878
            \thesis@blocks@universityLogo@color[width=30mm]
1879
         \end{minipage}\begin{minipage}{89mm}
1880
            \begin{center}
              {\sc\thesis@titlePage@LARGE\thesis@czech@universityName\\%
1881
                  \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%
1882
                  \thesis@titlePage@normalsize\thesis@department}
1883
              \rule{\textwidth}{2pt}\vspace*{2mm}
1884
            \end{center}
1885
         \end{minipage}\begin{minipage}{30mm}
1886
            \thesis@blocks@facultyLogo@color[width=30mm]
1887
         \end{minipage}
1888
       \end{adjustwidth}
1889
       % The middle of the page
1890
       \vfill
1891
1892
       \parbox\textwidth{% Prevent vfills from squashing the leading
1893
          \bf\thesis@titlePage@Huge\thesis@TeXtitle}
       {\thesis@titlePage@Huge\\[0.8em]}
1894
       {\thesis@titlePage@large\thesis@czech@typeName\\[1em]}
1895
       {\bf\thesis@titlePage@LARGE\thesis@author\\}
1896
       \vfill\noindent
1897
       % The bottom of the page
1898
       {\bf\thesis@titlePage@normalsize%
1899
         % Unless this is a rigorous thesis, typeset the name of the
1900
         % thesis advisor.
1901
         \ifx\thesis@tvpe\thesis@rigorous\else%
1902
              \thesis@czech@advisorTitle: \thesis@advisor\hfill%
1903
         \fi%
1904
1905
         \thesis@place\ \thesis@year}
1906
     \end{alwayssingle}}
```

All blocks within the autolayout postamble that are not defined within this file are defined in the style/mu/fithesis-base.sty file. The entire front matter is type-set as though the locale were Czech in accordance with the formal requirements of the faculty.

```
1907 \def\thesis@preamble{%
1908 {\thesis@selectLocale{czech}%
     \thesis@blocks@cover%
1909
1910 \thesis@blocks@frontMatter%
       \thesis@blocks@titlePage%
1911
       \thesis@blocks@clearRight%
1912
         \thesis@blocks@bibEntry%
1913
         \thesis@blocks@bibEntryEn%
1914
1915
         \thesis@blocks@abstract%
         \thesis@blocks@abstractEn%
1916
1917
       \thesis@blocks@assignment%
1918
       \thesis@blocks@thanks%
1919
       \thesis@blocks@declaration%
       \thesis@blocks@tables}%
1920
     \thesis@blocks@mainMatter}
1921
```

3.6.5 The style files of the Faculty of Arts

3.6.5.1 The style/mu/fithesis-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.

```
1922 \NeedsTeXFormat{LaTeX2e}
1923 \ProvidesPackage{fithesis/style/mu/fithesis-phil}[2015/06/27]
The file defines the color scheme of the respective faculty.
1924 \thesis@color@setup{
1925 links={HTML}{6FCEF2},
```

1925 links={HTML}{6FCEF2},
1926 tableEmph={HTML}{78CEF0},
1927 tableOdd={HTML}{EBF6FA},
1928 tableEven={HTML}{D0EBF5}}

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

```
1929 \thesis@blocks@titlePage@department@true 1930 \thesis@blocks@titlePage@field@true
```

All blocks within the autolayout postamble that are not defined within this file are defined in the style/mu/fithesis-base.sty file.

```
1931 \def\thesis@preamble{%
1932 \thesis@blocks@cover%
1933 \thesis@blocks@titlePage%
1934 \thesis@blocks@frontMatter%
```

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

```
1935 \thesis@blocks@declaration%1936 \thesis@blocks@thanks%1937 \thesis@blocks@tables%1938 \thesis@blocks@mainMatter}
```

3.6.6 The style files of the Faculty of Education

3.6.6.1 The style/mu/fithesis-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.

```
1939 \NeedsTeXFormat{LaTeX2e}
1940 \ProvidesPackage{fithesis/style/mu/fithesis-ped}[2015/06/27]
```

The file defines the color scheme of the respective faculty.

```
1941 \thesis@color@setup{
1942    links={HTML}{FFA02F},
1943    tableEmph={HTML}{FFBB6B},
1944    tableOdd={HTML}{FFF1E0},
1945    tableEven={HTML}{FFDEB7}}
```

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 macro typesets a bibliographical entry. Along with the macros required by the locale file interface, the *locale* files need to define the following macros:

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

```
1954 \def\thesis@blocks@bibEntry{%
1955  \chapter*{\thesis@e{bib@title}}
1956  \noindent\thesis@upper{author@tail}, \thesis@author@head.
1957  \emph{\thesis@title}. \thesis@place: \thesis@e{universityName},
1958  \thesis@e{facultyName}, \thesis@department, \thesis@year.
1959  \thesis@pages\ \thesis@e{bib@pages}.
1960  \thesis@e{advisorTitle}: \thesis@advisor}
```

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

All blocks within the autolayout postamble that are not defined within this file are defined in the style/mu/fithesis-base.sty file.

```
1961 \def\thesis@preamble{%
1962 \thesis@blocks@cover%
1963
     \thesis@blocks@titlePage%
     \thesis@blocks@frontMatter%
1964
1965
       \thesis@blocks@bibEntry%
1966
       \thesis@blocks@clearRight%
1967
         \thesis@blocks@abstract%
1968
         \thesis@blocks@abstractEn%
1969
         \thesis@blocks@keywords%
1970
         \thesis@blocks@keywordsEn%
1971
       \thesis@blocks@declaration%
1972
       \thesis@blocks@thanks%
1973
       \thesis@blocks@tables%
1974 \thesis@blocks@mainMatter}
```

3.6.7 The style files of the Faculty of Social Studies

3.6.7.1 The style/mu/fithesis-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.

```
1975 \NeedsTeXFormat{LaTeX2e}
1976 \ProvidesPackage{fithesis/style/mu/fithesis-fss}[2015/06/27]
The file defines the color scheme of the respective faculty.
1977 \thesis@color@setup{
1978    links={HTML}{58EDD7},
1979    tableEmph={HTML}{69D6C6},
1980    tableOdd={HTML}{E3F1EE},
1981    tableEven={HTML}{C5E3DF}}
```

\thesis@blocks@frontMatter

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

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

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

 $^{^5}$ See http://psych.fss.muni.cz/node/351, http://medzur.fss.muni.cz/informace-pro-studenty/pravidla-pro-diplomky/soubory/

All blocks within the autolayout preamble that are not defined within this file are defined in the style/mu/fithesis-base.sty file.

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

3.6.8 The style files of the Faculty of Law

3.6.8.1 The style/mu/fithesis-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{fithesis/style/mu/fithesis-law}[2015/06/27]
```

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}}
```

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 macros:

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

```
2008 \def\thesis@blocks@cover@header{%
2009      {\sc\thesis@titlePage@Large\thesis@@{facultyLongName}\\%
2010         \thesis@titlePage@large\thesis@department\\vskip 2em}}
2011 \let\thesis@blocks@titlePage@header=\thesis@blocks@cover@header
```

\thesis@blocks@frontMatter

The \thesis@blocks@frontMatter macro sets up the style of the front matter of the thesis. The page numbering is arabic in accordance with the formal requirements of the faculty.

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

```
2012 \def\thesis@blocks@frontMatter{%
2013 \thesis@blocks@clear
2014 \pagestyle{plain}
2015 \parindent 1.5em
2016 \setcounter{page}{1}
2017 \pagenumbering{arabic}}
```

\thesis@blocks@mainMatter

The \thesis@blocks@mainMatter 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 in accordance with the formal requirements of the faculty.

```
2018 \def\thesis@blocks@mainMatter{%
2019 \thesis@blocks@clear
2020 \pagestyle{thesisheadings}
2021 \parindent 1.5em\relax}
```

All blocks within the autolayout preamble that are not defined within this file are defined in the style/mu/fithesis-base.sty file.

```
2022 \def\thesis@preamble{%
2023 \thesis@blocks@cover%
     \thesis@blocks@titlePage%
2024
     \thesis@blocks@frontMatter%
2025
       \thesis@blocks@declaration%
       \thesis@blocks@clearRight%
2027
         \thesis@blocks@abstract%
2028
         \thesis@blocks@abstractEn%
2029
         \thesis@blocks@keywords%
2030
         \thesis@blocks@keywordsEn%
2031
2032
       \thesis@blocks@thanks%
2033
       \thesis@blocks@tables%
    \thesis@blocks@mainMatter}
```

All blocks within the autolayout postamble that are not defined within this file are defined in the style/mu/fithesis-base.sty file.

```
2035 \def\thesis@postamble{%
2036 \thesis@blocks@assignment}
```

3.6.9 The style files of the Faculty of Economics and Administration

3.6.9.1 The style/mu/fithesis-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.

```
2037 \ensuremat{LaTeX2e} 2038 \ensuremath{ProvidesPackage{fithesis/style/mu/fithesis-econ}[2015/06/27]}
```

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

The file defines the color scheme of the respective faculty.

```
2039 \thesis@color@setup{
2040    links={HTML}{F27995},
2041    tableEmph={HTML}{E8B88B},
2042    tableOdd={HTML}{F5ECEB},
2043    tableEven={HTML}{EBD8D5}}
```

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.

```
2044 \thesis@require{tikz}
2045 \thesis@require{geometry}
2046 \geometry{top=25mm,bottom=20mm,left=25mm,right=25mm,includeheadfoot}
```

\thesis@blocks@cover

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

```
2047 \def\thesis@blocks@cover{%
     \ifthesis@cover@
2048
2049
        \thesis@blocks@clear
        \begin{alwayssingle}
2050
2051
          \thispagestyle{empty}
          \begin{center}
2052
          \sc \thesis @titlePage @LARGE\thesis @g universityName}\
2053
              \thesis@titlePage@Large\thesis@@{facultyName}\\}
2054
2055
          \vfill
2056
          {\bf\thesis@titlePage@Huge\thesis@@{typeName}}
2057
          {\thesis@titlePage@large\thesis@place
2058
           \ \thesis@year\hfill\thesis@author}
2059
          \end{center}
2060
        \end{alwayssingle}
2061
2062
     \fi}
```

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 in accordance with the formal requirements of the faculty.

```
2063 \thesis@blocks@titlePage@field@true
2064 \def\thesis@blocks@titlePage@content{%
2065 {\thesis@titlePage@Huge\bf\thesis@TeXtitle}
2066 \ifthesis@english\else
2067 {\\[0.1in]\thesis@titlePage@Large\bf\thesis@TeXtitleEn}
2068 \fi {\\[0.3in]\thesis@titlePage@large\sc\thesis@@{typeName}\\}}
2069 \def\thesis@blocks@titlePage@footer{%
```

```
{\thesis@titlePage@large
                        {% Calculate the width of the thesis author and advisor boxes
2071
                           \left( A\right) \simeq \left( A\right) 
2072
                                   \bf\thesis@@{advisorTitle}:}}
2073
                           \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{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ens
2074
2075
                            2076
                                   \bf\thesis@@{authorTitle}:}}
                            \let\@D\relax\newlength{\@D}\settowidth{\@D}{\thesis@author}
2077
                         \label{left} $$ \left( \mathbb{C}^{\theta} \right) $$ $$ \left( \mathbb{C}^{\theta} \right) $$
2078
2079
                               max(\@A,\@B)}
                         \let\@right\relax\newlength{\@right}\pgfmathsetlength{\@right}{%
2080
2081
                               max(\@C,\@D)}
2082
                         % Typeset the thesis author and advisor boxes
                         \vskip 2in\begin{minipage}[t]{\@left}
2083
                               {\bf\thesis@@{advisorTitle}:}\\thesis@advisor
2084
                         \end{minipage}\hfill\begin{minipage}[t]{\@right}
2085
                               {\bf \{\bf\thesis@@\{authorTitle\}:\}\\tt\thesis@author}
2086
                         \end{minipage}}\\[4em]\thesis@place, \thesis@year}}
2087
```

\thesis@blocks@frontMatter

The \thesis@blocks@frontMatter 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.

```
2088 \def\thesis@blocks@frontMatter{%
2089 \thesis@blocks@clear
2090
     % In case of double-sided typesetting, change the geometry
2091
     \ifthesis@twoside@
       \newgeometry{top=25mm,bottom=20mm,left=35mm,
2092
         right=15mm, includeheadfoot}
2093
     \fi\pagestyle{empty}
2094
2095
     \parindent 1.5em
     \setcounter{page}{1}
2096
     \pagenumbering{arabic}}
```

\thesis@blocks@mainMatter

The \thesis@blocks@mainMatter 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.

```
2098 \def\thesis@blocks@mainMatter{%
2099 \thesis@blocks@clear
2100 \pagestyle{thesisheadings}
2101 \parindent 1.5em\relax}
```

\thesis@blocks@toc

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

```
2102 \def\thesis@blocks@toc{%
2103 \thesis@blocks@clear%
2104 \tableofcontents}
```

\thesis@blocks@tables

The \thesis@blocks@tables macro optionally typesets the \listoftables and \listoffigures.

```
2105 \def\thesis@blocks@tables{%
2106 \thesis@blocks@clear%
2107 \thesis@blocks@lot%
2108 \thesis@blocks@lof}
```

All blocks within the autolayout preamble that are not defined within this file are defined in the style/mu/fithesis-base.sty file.

```
2109 \def\thesis@preamble{%
2110 \thesis@blocks@cover%
     \thesis@blocks@frontMatter%
2111
2112
       \thesis@blocks@titlePage%
       \thesis@blocks@assignment%
2113
       \thesis@blocks@clearRight%
2114
2115
         \thesis@blocks@abstract%
2116
         \thesis@blocks@abstractEn%
         \thesis@blocks@keywords%
2117
         \thesis@blocks@keywordsEn%
2118
       \thesis@blocks@declaration%
2119
       \thesis@blocks@thanks%
2120
       \thesis@blocks@toc%
2121
     \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.

```
2123 \def\thesis@postamble{%
2124 \thesis@blocks@tables}
```

3.6.10 The style files of the Faculty of Medicine

3.6.10.1 The style/mu/fithesis-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 requirements published at the website of the Department of Optometry and Orthoptics⁸.

```
2125 \NeedsTeXFormat{LaTeX2e}
2126 \ProvidesPackage{fithesis/style/mu/fithesis-med}[2015/06/27]
The file defines the color scheme of the respective faculty.
```

```
2127 \thesis@color@setup{
2128 links={HTML}{F58E76},
2129 tableEmph={HTML}{FF9D85},
2130 tableOdd={HTML}{FFF5F6},
2131 tableEven={HTML}{FFDEDF}}
```

The file loads the following packages:

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

 $^{^8\}mathrm{See}$ http://is.muni.cz/do/med/zpravyprac/Optometrie/NALEZITOSTI_ZAVERECNE_PRACE.doc

• 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.

```
2132 \thesis@require{tikz}
2133 \thesis@require{geometry}
2134 \thesis@require{setspace}
2135 \geometry{top=25mm,bottom=20mm,left=25mm,right=25mm,includeheadfoot}
```

\thesis@blocks@cover

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

```
2136 \def\thesis@blocks@cover{%
2137
     \ifthesis@cover@
       \thesis@blocks@clear
2138
2139
       \begin{alwayssingle}
         \thispagestyle{empty}
2140
         \begin{center}
2141
         2142
             \verb|\thesis@titlePage@Large\thesis@@{facultyName}|| \\
2143
         \vfill
2144
         {\bf\thesis@titlePage@Huge\thesis@@{typeName}}
2145
2146
         {\thesis@titlePage@large\thesis@place
2147
          \ \thesis@year\hfill\thesis@author}
2148
2149
         \end{center}
2150
       \end{alwayssingle}
2151
     \fi}
```

The style file 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 field of study and the semester and place of the thesis defense in accordance with the requirements of the department.

```
2152 \def\thesis@blocks@titlePage@content{%
   {\thesis@titlePage@Huge\bf\thesis@TeXtitle\\[0.3in]}%
   {\thesis@titlePage@large{\sc\thesis@@{typeName}}\\}}
2155 \def\thesis@blocks@titlePage@footer{%
    {\thesis@titlePage@large
2156
      {% Calculate the width of the thesis author and advisor boxes
2157
      \left( \mathbb{A}\right) 
2158
2159
        \bf\thesis@@{advisorTitle}:}}
      \let\@B\relax\newlength{\@B}\settowidth{\@B}{\thesis@advisor}
2160
2161
      \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
2162
        \bf\thesis@@{authorTitle}:}}
      2163
      \ \left( \E\right) \
2164
        \bf\thesis@@{fieldTitle}:}}
2165
      2166
      \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
2167
       max(\@A,\@B)
2168
```

```
\let\@right\relax\newlength{\@right}\pgfmathsetlength{\@right}{%
2169
        max(\@C,\@D,\@E,\@F)}
2170
      % Typeset the thesis author and advisor boxes
2171
      \vskip 2in\begin{minipage}[t]{\@left}
2172
        {\bf\thesis@@{advisorTitle}:}\\\thesis@advisor
2173
2174
      \end{minipage}\hfill\begin{minipage}[t]{\@right}
2175
        {\bf\thesis@@{authorTitle}:}\\thesis@author
          \[1em]{\bf\thesis@{fieldTitle}:}\\\
2176
      2177
```

\thesis@blocks@frontMatter

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

```
2178 \def\thesis@blocks@frontMatter{%
2179 \thesis@blocks@clear
2180
     % In case of double-sided typesetting, change the geometry
2181 \ifthesis@twoside@
       \newgeometry{top=25mm,bottom=20mm,left=35mm,
2182
         right=15mm, includeheadfoot}
2183
    \fi\pagestyle{empty}
2184
2185
     \parindent 1.5em
2186
     \setcounter{page}{1}
2187
     \pagenumbering{arabic}}
```

\thesis@blocks@bibEntry

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

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

```
2188 \def\thesis@blocks@bibEntry{%
2189 \chapter*{\thesis@e{bib@title}}
2190 \noindent\thesis@upper{author@tail}, \thesis@author@head.
2191 \emph{\thesis@title}. \thesis@place: \thesis@e{universityName},
2192 \thesis@e{facultyName}, \thesis@department, \thesis@year.
2193 \thesis@pages\ \thesis@e{bib@pages}.
2194 \thesis@e{advisorTitle}: \thesis@advisor}
```

All blocks within the autolayout postamble that are not defined within this file are defined in the style/mu/fithesis-base.sty file.

```
2195 \def\thesis@preamble{%
2196 \thesis@blocks@cover%
2197 \thesis@blocks@frontMatter%
2198 \thesis@blocks@titlePage%
2199 \onehalfspacing%
2200 \thesis@blocks@clearRight%
```

```
\thesis@blocks@abstract%
2201
          \thesis@blocks@abstractEn%
2202
          \thesis@blocks@keywords%
2203
          \verb|\thesis@blocks@keywordsEn%||
2204
        \thesis@blocks@bibEntry%
2205
        \thesis@blocks@declaration%
2206
2207
        \thesis@blocks@thanks%
2208
        \thesis@blocks@tables%
     \thesis@blocks@mainMatter}
2209
```

3.6.11 The style files of the Faculty of Sports Studies

3.6.11.1 The style/mu/fithesis-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.

```
2210 \NeedsTeXFormat{LaTeX2e}
2211 \ProvidesPackage{fithesis/style/mu/fithesis-fss}[2015/06/27]
```

The file defines the color scheme of the respective faculty.

```
2212 \thesis@color@setup{
2213  links={HTML}{93BCF5},
2214  tableEmph={HTML}{A8BDE3},
2215  tableOdd={HTML}{EBEFF5},
2216  tableEven={HTML}{D1DAEB}}
```

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

2217 \thesis@blocks@titlePage@field@true

All blocks within the autolayout preamble that are not defined within this file are defined in the style/mu/fithesis-base.sty file.

```
2218 \def\thesis@preamble{%
2219 \thesis@blocks@cover%
2220 \thesis@blocks@frontMatter%
2221 \thesis@blocks@frontMatter%
2222 \thesis@blocks@declaration%
2223 \thesis@blocks@thanks%
2224 \thesis@blocks@tables%
2225 \thesis@blocks@mainMatter}
```

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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.

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^{\ 9}See http://www.fsps.muni.cz/~korvas/100kyny_k_zaverecne_praci.doc

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226, 1333, 1345 225, 1314, 1343 225, 1314, 1346 226, 1334, 1346 227, 1324, 1346 228, 1334, 1346 229, 1334, 1346 220, 1334, 1346 220, 1334, 1346 220, 1334, 1346 220, 1334, 1346 220, 1334, 1346 220, 1334, 1346 220, 1334, 1346 220, 1334, 1346	1891, 1897, 2055, 2057, 2144, 2146 \vskip

X	Z
\x	\ze
Change History	
v0.0	rapport3 [JP] 175
General: bachelor project of Daniel	v0.2.01
Marek under supervision of Petr Sojka	General: add subsubsection to toc
v0.0a	v0.2.02
General: changes by Jan Pavlovič to	General: fix encoding bug [JP] 175
allow fithesis being backend of docbook based system for thesis	v0.2.03
writing	General: fix title spacing [PS, JP] 175
v0.1	v0.2.04 General: fix SK declaration [Peter
General: new release, documenta-	Cerensky, JP]
tion editing (CZ only, sorry) [PS] 175 v0.1a	v0.2.05
General: minor documentation	General: add English abstract [JP] . 175
changes (CZ only, sorry) [PS] . 175	v0.2.06 General: fix: behind Advisor [JP] . 175
v0.1b General: change of default size	v0.2.07
$(11pt \rightarrow 12pt)$ [JP]	General: escape all Czech let-
v0.1c	ters [JP] babel is used instead of stupid package czech [JP]
General: default values of \facultyname and	\MainMatter should be placed
\@thesissubtitle set for back-	after \tablesofcontents [PS] 175
ward compatibility) [PS] 175	v0.2.08
v0.1d	General: add change of University name [JP] 175
General: removed def schapter from fit1*.clo [JP] 175	v0.2.09
v0.1e	General: add EN version of Univer-
General: add Brno to MU title [JP] 175	sity name [JP] 175 v0.2.10
v0.1f General: add documentation for hy-	General: fix EN name of Acknowl-
perref [JP] 175	edgement [JP] 175
v0.1g	v0.2.11
General: change of default size	General: fix missing fi-logo.mf
$(12pt \rightarrow 11pt) [JP] \dots 175$ v0.2.00	[JP,PS]
General: add sk lang [JP, Peter	General: Licence change to the LPPL
Cerensky] set default cls class to	[JP]

v0.2.12a	[VN]
General: fork fithesis2 by Mr. Fil-	Minor changes throughout the
ipčík and Janoušek; cf. http://	text, added a link to the the
github.com/liskin/fithesis 175	fithesis forums [PS] (backport
v0.3.00	of v0.2.15@r14:15) 175
General: fi logo is no longer special-	v0.3.06
cased (added eps and PDF),	General: Added the colorx package
\thesislogopath added to	and the base colors for each fac-
set the logo directory path,	ulty. If the color option is spec-
\thesiscolor added to enable	ified, the tabular environment
colorful typo elements [VN] . 175	gets redefined and uses the fac-
v0.3.01	ulty colors to color alternating
General: documentation now uses	table rows to improve readabil-
babel and cmap packages. the	ity. The hyperref links in the
entire file was transcoded into	e-version are now likewise col-
utf8, \thesiscolor was re-	ored according to the chosen fac-
placed by color class option,	ulty, in this case regardless of
added PDF metadata stamping	the presence of the color option.
support [VN] 175	Dropped the support for type-
v0.3.02	setting theses outside MU. [VN] 175
General: PDF metadata stamping	v0.3.07
added for \thesistitle and	General: Replaced the \thesiswoman
\thesisstudent [VN] 175	command with \thesisgender.
v0.3.03	[VN] 175
General: Small fixes (added \relax	v0.3.08
at \MainMatter), generat-	General: Fixed a non-terminated \if
ing both fithesis.cls (obsolete,	condition. [VN] (backport of
loading fithesis2.cls) and	v0.2.18)
fithesis2.cls, minor doc ed-	Fixed mostly documentation
its, version numbering of .clo	errors reported at the new
fixed, switch to utf8 and ensur-	fithesis discussion forum (-ti,
ing that .dtx compiles. Docu-	eco \rightarrow econ, implicit twocolumn,
mentation adjusted to the status	example extended (font setup),
quo, added link to discussion	etc.). [PS] (backport of v0.2.17) 175
forum (backport of v0.2.14) [PS] 175	v0.3.09
v0.3.04	General: A complete refactoring of
General: Import the url package to	the class. The class was decom-
allow for the use of \url within	posed into a base class, locale
the documentation. (backport of	files and style files. [VN] 175
v0.2.15@r13) [VN] 175	v0.3.10
v0.3.05	General: Fixed a typo in the tech-
General: Added support for change	nical documentation. Updated
typesetting. Restructured the	the Advanced usage chapter of the
code to make it more amenable	user guide. The required pack-
to literal programming. Added	aged listed in Section 2.2 of the
<pre>support for \CodelineIndex</pre>	aged listed in Section 2.2 of the user guide are now always cor-
support for \CodelineIndex typesetting. Added informa-	aged listed in Section 2.2 of the user guide are now always correct. Adjusted the footer spac-
support for \CodelineIndex typesetting. Added information about the usage of fithe-	aged listed in Section 2.2 of the user guide are now always correct. Adjusted the footer spacing in the styles of econ and fi.
support for \CodelineIndex typesetting. Added informa-	aged listed in Section 2.2 of the user guide are now always correct. Adjusted the footer spac-

description of basic options into	coded to be hidden for rig-
the user guide. Added the table	orous theses. Instead, the
and oldtable options. Added	\ifthesis@blocks@assignment
the type field to the guide for	conditional can be set either by
completeness. [VN] 175	the subsequently loaded style
v0.3.11	files or by the user. So far, only
General: Added hyphenation	the fi and sci style files set the
into the technical documen-	conditional. [VN] 175
tation. Fixed an untermi-	v0.3.14
nated group. Polished the	General: Updated the documenta-
text of the guide. Added the	tion. [VN] 175
palatino and nopalatino op-	v0.3.15
tions. Stylistic changes to the	General: Renamed \thesis@requireStyle
text of the technical documenta-	to \thesis@requireWithOptions
tion. \thesis@subdir is now	and moved the style loader from
robust against relative paths.	the \thesis@load routine to
Accounted for French spac-	a new \thesis@requireStyle
ing in the guide. Fixed the	macro to make the semantics
thesis@english@facultyName	of \thesis@requireLocale and
string. Documentation refine-	\thesis@requireStyle more
ments. [VN] 175	similar. Changed the basepath,
v0.3.12	logopath, localepath and
General: The subsections and sub-	stylepath keys to match the
subsections now use the correct	lower camelcasing of the rest
tocdepth. [VN] 175	of the keys. Added further de-
v0.3.13	scription regarding the use of
General: Fixed an inconsis-	the assignment key. [VN] 175
tency in the example code.	v0.3.16
Removed an extraneous	General: Clubs and widows are
\thesis@blocks@clear block	now set to be infinitely bad.
withing the definition of	The assignment key has weaker,
\thesis@blocks@frontMatter	but more robust semantics now.
in the fss style file. Added com-	[VN]
ments, fixed clubs and wid-	v0.3.17
ows and removed text overflows	General: Changed a forgotten
within the user guides. Ad-	\thesis@@lower{} invo-
justed the colors of various style	cation in the definition of
files. Removed the trailing dot in	\thesis@czech@declaration
the bibliographic identification	for the Faculty of Arts into
within the med and ped style	\thesis@@lower{czech@},
files. Fixed a typo within the	so that the macro always ex-
technical documentation. Fixed	pands to the correct output re-
the twoside alignment of the	gardless of the current locale.
\thesis@blocks@bibEntry and	This is merely a matter of con-
the \thesis@blocks@bibEntryEn	sistency, since the style file of the
blocks within the sci style file.	Faculty of Arts only uses Czech
The \thesis@blocks@assignment	strings within the Czech locale.
block no longer clears a page	Removed an extraneous com-
when nothing is inserted.	ment. Fixed a unit test. Fixed a
It is also no longer hard-	changelog entry [VN] 175

v0.3.18	which also switches hyphen-
General: A bulk of changes required	ation patterns. The macro
to submit the document class to	definitions inside locale files
CTAN: Changed the structure of	are now global to account for
the output fithesis3.ctan.zip	the fact that it now makes
archive. Updated the license	sense to include locale files
notice. Added a README file.	on-site (and therefore possi-
Canonicalized a url within the	bly inside a group) using the
user guides. Renamed the	\thesis@selectLocale. The
root directory from fithesis3/	class files are now generated
to fithesis/. Refactored	using the XeTeX engine, which
the makefiles. Added devel-	preserves the characters outside
oper example files. Renamed	ASCII. [VN] 175
docstrip.cfg to LICENSE.tex	v0.3.20
to better describe its role. The	General: Removed an extraneous
fithesis.dtx file now gener-	\hypersetup option to eliminate
ates a VERSION. tex file contain-	a warning. Performed several
ing the version of the package,	minor Makefile updates. Up-
when it's being typeset. Flat-	dated the technical documenta-
tened the logo/ directory struc-	tion. [VN] 175
ture. [VN]	v0.3.21
v0.3.19	General: Fixed an invalid font name.
General: Updated the license.	[VN]
Added the fithesis- pre-	• •
fix to locale files. Proof-	v0.3.22
read and updated the doc-	General: Updated the link colors in
umentation. Encapsu-	the style of the Faculty of Eco-
lated the localeInheritance	nomics and Administration at
and styleInheritance	the Masaryk University in Brno
setters. Added the	and fixed the title page leading
\thesis@selectLocale{},	in the style of the Faculty of Sci-
which acts as a replacement	ence at the Masaryk University
<pre>for \def\thesis@locale{},</pre>	in Brno. [VN] 175