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

\thesis@backend

The class requires the class specified in \thesis@backend, whose default value is [a4paper]{rapport3}. If a different base class is desired, it can be specified by redefining \thesis@backend prior to loading the fithesis3 class.

```
1 \ProvidesClass{fithesis3}[\thesis@version]
2 \ifx\thesis@backend\undefined
3 \def\thesis@backend{[a4paper]{rapport3}}
4 \fi\expandafter\LoadClass\thesis@backend
```

The class also requires 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.
- Itxcmds Implements several commands from the LATEX kernel. Used for the \ltx@ifpackageloaded command, which – unlike its \@ifpackageloaded counterpart – can be used outside the preamble.
- ifxetex Used to detect the X¬T¬X engine.
- ifluatex Used to detect the LuaTeX engine.
- inputenc Used to enable the input UTF-8 encoding. This package does not get loaded under the XATEX and LuaTEX 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.

```
5 \RequirePackage{keyval}
6 \RequirePackage{etoolbox}
7 \RequirePackage{ltxcmds}
8 \RequirePackage{ifxetex}
9 \RequirePackage{ifluatex}
10 \ifxetex\else\ifluatex\else
11 \RequirePackage[utf8]{inputenc}
12 \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. At the moment, all options are processed by the style/mu/fithesis-base.sty style file documented in Section 3.6.2.2.

The \thesissetup macro

\thesissetup

The main public macro is the $\t issetup{\langle keyvals \rangle}$ 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).

```
13 \def\thesissetup#1{%
  \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/.

```
15 \def\thesis@basepath{fithesis/}
16 \define@key{thesis}{basePath}{%
17 \ifx\thesis@empty#1\thesis@empty%
18
    \def\thesis@basepath{}%
19
   \else%
20
    \def\thesis@basepath{#1/}%
21 \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/.

```
22 \def\thesis@logopath{\thesis@basepath logo/\thesis@university/}
23 \define@key{thesis}{logoPath}{%
   \def\thesis@logopath{\thesis@subdir#1%
25
      \empty\empty\empty}}
```

\thesis@stylepath 2.2.3 The stylePath key

The $\{\langle \text{stylePath} = path \rangle\}$ 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/.

```
26 \def\thesis@stylepath{\thesis@basepath style/}
27 \define@key{thesis}{stylePath}{%
28  \def\thesis@stylepath{\thesis@subdir#1%
29  \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/.

```
30 \def\thesis@localepath{\thesis@basepath locale/}
31 \define@key{thesis}{localePath}{%
32 \def\thesis@localepath{\thesis@subdir#1%
33 \empty\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.

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

```
\fi
57
               \fi
58
             \else
59
               \if#2/%
                              ./<path> -> ./<path>/
60
                  ./#3#4/%
61
62
               \else
63
                  \thesis@basepath#1#2#3#4/%
               \fi
64
             \fi
65
           \fi
66
         \else
67
           \thesis@basepath#1#2#3#4/%
68
69
         \fi
70
      \fi%
71
    \fi}
```

\thesis@def

The $\frac{(key)}{(name)}$ macro defines the $\frac{name}{name}$ macro to expand to either «key», if specified, or to «name». The macro serves to provide placeholder strings for macros with no default value.

```
72 \newcommand{\thesis@def}[2][]{%
   \expandafter\def\csname thesis@#2\endcsname{%
74
      <<\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}.

```
75 \def\thesis@declaration{\thesis@@{declaration}}
76 \long\def\KV@thesis@declaration#1{%
77 \long\def\thesis@declaration{#1}}
```

\ifthesis@woman

2.2.6 The gender key

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

```
78 \verb|\newif\ifthesis@woman\thesis@womanfalse|
79 \define@key{thesis}{gender}{%
80 \def\thesis@male{m}%
81 \def\thesis@arg{#1}%
    \ifx\thesis@male\thesis@arg%
      \thesis@womanfalse%
83
    \else%
84
      \thesis@womantrue%
85
86
    \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.

\author

The standard LATEX \author macro also sets this key.

```
87 \def\thesis@parseAuthor#1{%
```

- 88 \def\thesis@author{#1}%
- \@gobble\thesis@head#1 \relax}% 90
- \def\thesis@author@tail{\thesis@tail#1 \relax}} 91
- 92 \thesis@def{author}%
- 93 \thesis@def[author]{author@head}%
- 94 \thesis@def[author]{author@tail}%
- 95 \define@key{thesis}{author}{%
- 96 \thesis@parseAuthor{#1}}
- 97 \let\author\thesis@parseAuthor

\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.

```
98 \thesis@def{id}
```

- 99 \define@key{thesis}{id}{%
- $100 \def\thesis@id{#1}}$

\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 \thbess@@iigotous \thesis@doctoral

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.

```
101 \def\thesis@bachelors{bc}
102 \def\thesis@masters{mgr}
103 \def\thesis@doctoral{d}
104 \def\thesis@rigorous{r}
105 \let\thesis@type\thesis@bachelors
106 \define@key{thesis}{type}{%
107 \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.

```
108 \def\thesis@university{mu}
109 \define@key{thesis}{university}{%
110 \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 is

```
111 \def\thesis@faculty{fi}
112 \define@key{thesis}{faculty}{%
113 \def\thesis@faculty{#1}}
```

\thesis@department 2.2.12 The department key

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

```
114 \thesis@def{department}
115 \define@key{thesis}{department}{%
116 \def\thesis@department{#1}}
```

\thesis@departmentEn 2.2.13 The departmentEn key

The $\{\langle departmentEn=name \rangle\}$ 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.

```
117 \thesis@def{departmentEn}
118 \define@key{thesis}{departmentEn}{%
119 \def\thesis@departmentEn{#1}}
```

\thesis@programme 2.2.14 The programme key

The {\programme=name\} 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 TEX macros. The *name* is stored within the \thesis@programme macro.

```
120 \thesis@def{programme}
121 \define@key{thesis}{programme}{%
122 \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.

```
123 \thesis@def{programmeEn}
124 \define@key{thesis}{programmeEn}{%
125 \def\thesis@programmeEn{#1}}
```

\thesis@field 2.2.16 The field key

The {\field=name\} pair sets the name of the author's field of 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.

```
126 \thesis@def{field}
127 \define@key{thesis}{field}{%
128 \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.

```
129 \thesis@def{fieldEn}
130 \define@key{thesis}{fieldEn}{%
131 \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.

```
132 \def\thesis@universityLogo{fithesis-base}
133 \define@key{thesis}{universityLogo}{%
134 \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.

```
135 \def\thesis@facultyLogo{fithesis-\thesis@faculty}
136 \define@key{thesis}{facultyLogo}{%
137 \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).

```
138 \def\thesis@style{\thesis@university/fithesis-\thesis@faculty}
139 \define@key{thesis}{style}{%
140 \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.

```
141 \verb|\newif\ifthesis@style@inheritance\thesis@style@inheritancetrue|
142 \define@key{thesis}{styleInheritance}[true]{%
   \begingroup
    \def\@true{true}%
145
    \def\@arg{#1}%
    \ifx\@true\@arg
146
      \endgroup\thesis@style@inheritancetrue
147
148
      \endgroup\thesis@style@inheritancefalse
149
150
    \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).

```
151 \def\thesis@locale{%
152 % Babel / polyglossia detection
    \ifx\languagename\undefined%
154 english\else\languagename\fi}
155 \define@key{thesis}{locale}{%
   \def\thesis@locale{#1}}
```

\ifthesis@english

The English locale is special. Several parts of the document will typically be typeset 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.

```
157 \def\ifthesis@english{
    \expandafter\def\expandafter\@english\expandafter{\string%
159
    \english}%
    \expandafter\expandafter\expandafter\def\expandafter%
160
    \expandafter\expandafter\@locale\expandafter\expandafter%
161
    \expandafter{\expandafter\string\csname\thesis@locale\endcsname}%
162
    \expandafter\csname\expandafter i\expandafter f\ifx\@locale%
164
    \@english%
      true%
165
    \else%
166
```

```
false%
167
    \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.

```
169 \newif\ifthesis@locale@inheritance\thesis@locale@inheritancetrue
170 \define@key{thesis}{localeInheritance}[true]{%
171
    \begingroup
172
    \def\@true{true}%
173
    \def\@arg{#1}%
    \ifx\@true\@arg
      \endgroup\thesis@locale@inheritancetrue
175
176
      \endgroup\thesis@locale@inheritancefalse
177
    \fi}
178
```

2.2.24 The date key

The $\{\langle date = date \rangle\}$ pair sets the date of the thesis submission 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 \thesis@year \thesis@month \thesis@day

- \thesis@date The entire date
- \thesis@month The MM of date
- \thesis@year The YYYY of date
- \thesis@day The DD of date

\thesis@season

- \thesis@season Expands to either:
 - spring if 2 < MM < 9,
 - fall if MM ≤ 2 or MM ≥ 9 .

\thesis@seasonYear

- \thesis@seasonYear The year of the given semester:
 - YYYY 1 if MM ≤ 2 .
 - YYYY if MM > 2

\thesis@academicYear

- \thesis@academicYear The academic year of the given semester:
 - YYYY 1/YYYY if MM < 9.
 - YYYY/YYYY + 1 if $MM \ge 9$

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

```
179 \def\thesis@parseDate#1/#2/#3|{{
180 % Set the basic macros
    \gdef\thesis@date{#1/#2/#3}%
    \gdef\thesis@year{#1}%
    \gdef\thesis@month{#2}%
    \gdef\thesis@day{#3}%
186
    % Set the season
187
    \newcount\@month\expandafter\@month\thesis@month\relax
         \ifnum\@month>8\gdef\thesis@season{fall}
188
    \else\ifnum\@month<3\gdef\thesis@season{fall}
189
    \else
                        \gdef\thesis@season{spring}
190
191
    \fi\fi
192
193
    % Set the academic year
    \newcount\@year\expandafter\@year\thesis@year\relax
194
    \ifnum\@month>8%
195
196
                      \edef\@yearA{\the\@year}%
197
      \advance\@year 1\edef\@yearB{\the\@year}%
198
      \advance\@year-1
199
      \advance\@year-1\edef\@yearA{\the\@year}%
200
      \advance\@year 1\edef\@yearB{\the\@year}%
201
202
    \global\edef\thesis@academicYear{\@yearA/\@yearB}
203
204
    % Set the season year
205
    \ifnum\@month>2\else
206
207
      \advance\@year-1
208
    209
211 \edef\thesis@date{\the\year/\the\month/\the\day}%
212 \expandafter\thesis@parseDate\thesis@date|%
214 \define@key{thesis}{date}{{%
215 \edef\@date{#1}%
    \expandafter\thesis@parseDate\@date|}}
```

\thesis@place 2.2.25 The place key

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

```
217 \def\thesis@place{Brno}
218 \define@key{thesis}{place}{%
```

```
219 \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 \title the \thesis@title macro. The standard LATEX \title macro also sets this key.

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

\maketitle The standard LATEX \maketitle macro is defined, but disabled.

224 \let\maketitle\relax

\thesis@TeXtitle 2.2.27 The TeXtitle key

The $\{\langle \text{TeXtitle} = title \rangle\}$ pair sets the T_EX title of the thesis to title. The title is used, when typesetting the title, whereas $\t itle$ is a plain text, which gets included in the PDF header of the resulting document. The title is stored within the $\t itle$ is $\t itle$ is $\t itle$.

```
225\def\thesis@TeXtitle{\thesis@title}
226\define@key{thesis}{TeXtitle}{%
227 \def\thesis@TeXtitle{#1}}
```

\thesis@titleEn 2.2.28 The titleEn key

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

```
228 \thesis@def{titleEn}
229 \define@key{thesis}{titleEn}{%
230 \def\thesis@titleEn{#1}}
```

\thesis@TeXtitleEn 2.2.29 The TeXtitleEn key

The ${\langle {\sf TeXtitleEn} = title \rangle }$ pair sets the English TEX title of the thesis to title. The title is used, when typesetting the title, whereas ${\sf thesis@titleEn}$ is a plain text, which gets included in the PDF header of the resulting document. The title is stored within the ${\sf thesis@TeXtitleEn}$ macro, whose implicit value is ${\sf thesis@titleEn}$.

```
231 \def\thesis@TeXtitleEn{\thesis@titleEn}
232 \define@key{thesis}{TeXtitleEn}{%
233 \def\thesis@TeXtitleEn{#1}}
```

\thesis@keywords 2.2.30 The keywords key

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

```
234 \thesis@def{keywords}
235 \define@key{thesis}{keywords}{%
236 \def\thesis@keywords{#1}}
```

\thesis@TeXkeywords 2.2.31 The TeXkeywords key

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

```
237 \def\thesis@TeXkeywords{\thesis@keywords}
238 \define@key{thesis}{TeXkeywords}{%
   \def\thesis@TeXkeywords{#1}}
```

\thesis@keywordsEn 2.2.32 The keywordsEn key

The $\{\langle keywordsEn=list \rangle\}$ pair sets the English keywords of the thesis to the commadelimited *list*. The *list* is stored within the \thesis@keywordsEn macro.

```
240 \thesis@def{keywordsEn}
241 \define@key{thesis}{keywordsEn}{%
242 \def\thesis@keywordsEn{#1}}
```

\thesis@TeXkeywordsEn 2.2.33 The TeXkeywordsEn key

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

```
243 \def\thesis@TeXkeywordsEn{\thesis@keywordsEn}
244 \define@key{thesis}{TeXkeywordsEn}{%
245 \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.

```
246 \thesis@def{abstract}
247 \lower 16\%
248 \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.

```
249 \thesis@def{abstractEn}
250 \long\def\KV@thesis@abstractEn#1{%
251 \long\def\thesis@abstractEn{#1}}
```

\thesis@advisor 2.2.36 The advisor key

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

```
252 \thesis@def{advisor}
253 \end{advisor} {\def\thesis@advisor{\#1}} \\
```

\thesis@thanks 2.2.37 The thanks key

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

```
254 \long\def\KV@thesis@thanks#1{%
255 \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.

```
256 \define@key{thesis}{assignment}{%
257 \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.

```
258 \newif\ifthesis@auto\thesis@autotrue
259 \define@key{thesis}{autoLayout}[true]{%
260 \def\@true{true}%
261 \def\@arg{#1}%
262 \ifx\@true\@arg%
263
     \thesis@autotrue%
264 \else%
```

```
265 \thesis@autofalse%
266 \fi}
```

\thesis@preamble \thesis@blocks@preamble \thesis@blocks@preamble \thesis@blocks@postamble

\thesis@blocks@mainMatter

The \thesis@preamble and \thesis@postamble macros temporarily switch to the hyphenation patterns and the csquotes style of the main locale and typeset the contents of the \thesis@blocks@preamble or \thesis@blocks@postamble macros, respectively.

Before leaving the group, the \thesis@preamble macro clears the page. After leaving the group, the \thesis@preamble macro sets up the style of the main matter by expanding the \thesis@blocks@mainMatter macro. All the aforementioned @block@ macros are defined as \relax and are subject to redefinition by the loaded style files.

2.3 The \thesislong macro

\thesislong

The public macro \thesislong{ $\langle key \rangle$ }{ $\langle value \rangle$ }, where *value* may contain multiple paragraphs of text, can be used 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

```
279 \long\def\thesislong#1#2{%
280 \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

\ifthesis@loaded

once.

```
281 \newif\ifthesis@loaded\thesis@loadedfalse
282 \AtEndPreamble{\thesis@load}
283 \def\thesis@loade{%
284 \ifthesis@loaded\else%
285 \thesis@loadedtrue
286 \makeatletter%
```

First, the name of the main locale file is fully expanded and loaded using the \thesis@requireLocale macro. If the user specified an explicit empty string as the value of \thesis@locale, do nothing.

```
287 \ifx\thesis@locale\empty\else
288 \edef\thesis@locale{\thesis@locale}
289 \thesis@requireLocale{\thesis@locale}
```

If the babel or polyglossia locale is identical to the thesis locale, the \thesis@selectLocale macro will be used to globally set up the csquotes style appropriate for the given locale.

```
290
           \ifx\languagename\empty\else
291
             \begingroup
             \edef\@doclocale{\languagename}%
292
             \ifx\@doclocale\thesis@locale
293
294
               \endgroup
               \AtBeginDocument{%
295
                  \thesis@selectLocale{\thesis@locale}}%
296
             \else
297
               \endgroup
298
299
             \fi
300
           \fi
301
         \fi
```

Consequently, the style files are loaded. If the user specified an explicit empty string as the value of \thesis@style, do nothing.

```
302 \ifx\thesis@style\empty\else
303 \thesis@requireStyle{\thesis@style}
304 \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 2016/01/05 v0.3.30 fithesis3 MU thesis class.

```
305 \thesis@require{hyperref}
306 \hypersetup{
```

```
307 unicode=true,
308 pdfencoding=auto,
309 pdftitle=\thesis@title,
310 pdfauthor=\thesis@author,
311 pdfkeywords=\thesis@keywords,
312 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.

```
313  \ifthesis@auto
314  \AtBeginDocument{\thesis@preamble}
315  \AtEndDocument{\thesis@postamble}
316  \fi
317  \makeatother
318  \fi}
```

3.2 File manipulation macros

\thesis@exists

The \thesis@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.

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

\thesis@input

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

```
322 \def\thesis@input#1{%
323 \thesis@exists{#1}{\input{#1}}}
```

\thesis@require

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

```
324\newcommand\thesis@require[2][]{%
325 \@ifpackageloaded{#2}{}{\RequirePackage[#1]{#2}}}
```

 $\verb|\thesis@requireIfExists||$

The \thesis@requireIfExists[$\langle options \rangle$]{ $\langle package \rangle$ } expands to \thesis@require[$\langle options \rangle$]{ $\langle package \rangle$ }, if the specified package exists and has not yet been loaded.

```
326\newcommand\thesis@requireIfExists[2][]{%
327 \thesis@exists{#2.sty}{\thesis@require[#1]{#2}}}
```

\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:

- \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 TEX directory structure.

```
328 \def\thesis@requireStyle#1{%
329 \ifthesis@style@inheritance%
330 \thesis@requireIfExists{\thesis@stylepath fithesis-base}%
331 \thesis@requireIfExists{\thesis@stylepath\thesis@university%
332 \fithesis-base}
333 \fit
334 \thesis@requireIfExists{\thesis@stylepath#1}}
```

\thesis@requireLocale

If inheritance is enabled for style files, then the $\text{thesis@requireLocale}\{\langle locale \rangle\}$ 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.

If the polyglossia package is being used, its definitions for the respective locale get loaded as well. As a consequence, this command may not be used within the document, but only in the preamble.

```
335 \def\thesis@requireLocale#1{%
336 % Ignore redundant requests
    \expandafter\ifx\csname thesis@#1@required\endcsname\relax%
      \expandafter\def\csname thesis@#1@required\endcsname{}%
      \@ifpackageloaded{polyglossia}{\setotherlanguage{#1}}{}
339
      \thesis@input{\thesis@localepath fithesis-#1.def}%
340
      \ifthesis@locale@inheritance%
341
342
        \thesis@input{\thesis@localepath\thesis@university/%
343
           fithesis-#1.def}%
344
        \thesis@input{\thesis@localepath\thesis@university/%
345
           \thesis@faculty/fithesis-#1.def}%
346
      \fi
    \fi}
347
```

3.3 String manipulation macros

\thesis@

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

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

\thesis@@

The \thesis@@ ${\langle name \rangle}$ 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.

349 \def\thesis@@#1{\thesis@locale @#1}}

\thesis@lower
\thesis@upper

The \thesis@lower and \thesis@upper macros are used for upper- and lowercasing within locale files. To cast the \thesis@name macro to the lower- or uppercase, \thesis@lower{name} or \thesis@upper{name} would be used, respectively. 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.

```
362 \def\thesis@lower#1{\thesis@lower{\thesis@locale @#1}} 363 \def\thesis@upper#1{\thesis@upper{\thesis@locale @#1}}
```

\thesis@head
\thesis@tail

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

```
364 \def\thesis@head#1 #2{%
365 \ifx\relax#2%
      \expandafter\@gobbletwo%
366
    \else%
367
     \ #1%
368
369 \fi%
370 \thesis@head#2}%
371 \def\thesis@tail#1 #2{%
372 \ifx\relax#2%
      #1%
373
      \expandafter\@gobbletwo%
374
375 \fi%
376 \thesis@tail#2}%
```

3.4 General purpose macros

\thesis@pages

The \thesis@pages macro contains the total number of pages within the document. During the first TEX compilation, the macro expands to ??.

 $$377 \Delta (\mbox{\mbox{\mathbb{Q} auxout{\noexpand\gdef\noexpand\thesis@pages{\thepage}}} $378 ifx\theta (\mbox{\mbox{\mathbb{Q} pages\undefined\def\thesis@pages}?}) if$

\thesis@selectLocale

\thesis@selectLocale{ $\langle locale \rangle$ } macro redefines the \thesis@locale macro to locale, switches to the hyphenation patterns of locale, and starts using the \thesis@locale@csquotesStyle style of the csquotes package. The respective locale files and polyglossia locale definitions should be loaded beforehand using the \thesis@requireLocale macro.

This macro should always be used within a group, so that the locale, csquotes, and hyphenation settings return back to what the user has specified after the localized blocks of typographic material.

If not loaded by the user, the csquotes package gets loaded at the end of the preamble.

```
379 \AtEndPreamble{\thesis@require{csquotes}}
380 \def\thesis@selectLocale#1{%
381  \edef\thesis@locale{#1}%
382  \csq@setstyle{\thesis@@{csquotesStyle}}%
383  \ltx@ifpackageloaded{polyglossia}{%
384  \selectlanguage{\thesis@locale}
385  }{%
386  \language\csname l@\thesis@locale\endcsname
387 }}
```

3.5 Locale files

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

\file

When creating a new locale file, it is advisable to create one self-contained dtx file, which is then partitioned into locale files via the docstrip tool based on the respective ins file. A macro $file{\langle filename \rangle}$ is available for the sectioning 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@csquotesStyle - The name of the style of the csquotes package that matches this locale

- \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@spring The name of the spring semester
- \thesis@locale@fall The name of the fall 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.

```
388 \end{area} Provides File {fithesis/locale/fithesis-english.def} \cite{conditions} \cie{conditions} \cite{conditions} \cite{conditions} \cite{condition
```

The locale file defines all the private macros mandated by the locale file interface.

```
389
390% Placeholders
391\gdef\thesis@english@universityName{University name}
392\gdef\thesis@english@facultyName{Faculty name}
393\gdef\thesis@english@assignment{Replace this page with a copy
394 of the official signed thesis assignment.}
395\gdef\thesis@english@declaration{Declaration text ...}
396
397% Csquotes style
398\gdef\thesis@english@csquotesStyle{english}
```

```
400 % Miscellaneous
401 \gdef\thesis@english@fieldTitle{Field of study}
402 \gdef\thesis@english@advisorTitle{Advisor}
403 \gdef\thesis@english@authorTitle{Author}
404 \gdef\thesis@english@abstractTitle{Abstract}
405 \gdef\thesis@english@keywordsTitle{Keywords}
406 \gdef\thesis@english@thanksTitle{Acknowledgement}
407 \gdef\thesis@english@declarationTitle{Declaration}
408 \gdef\thesis@english@idTitle{ID}
409 \gdef\thesis@english@spring{Spring}
410 \gdef\thesis@english@fall{Fall}
411 \gdef\thesis@english@semester{%
412 \thesis@{english@\thesis@season} \thesis@seasonYear}
413 \gdef\thesis@english@typeName{%
414 \ifx\thesis@type\thesis@bachelors%
      Bachelor's Thesis%
415
416 \else\ifx\thesis@type\thesis@masters%
417
      Master's Thesis%
418 \else\ifx\thesis@type\thesis@doctoral%
      Doctoral Thesis%
420 \else\ifx\thesis@type\thesis@rigorous%
     Rigorous Thesis%
421
    \else%
422
      <<Unknown thesis type (\thesis@type)>>%
423
    \fi\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.

```
425 \ProvidesFile{fithesis/locale/mu/fithesis-english.def}[2015/11/30]
426 \gdef\thesis@english@universityName{Masaryk University}
427 \gdef\thesis@english@declaration{%
428 Hereby I declare that this paper is my original authorial work,
429 which I have worked out on my own. All sources, references, and
430 literature used or excerpted during elaboration of this work are
431 properly cited and listed in complete reference to the due source.}
432
433 % Miscellaneous
434 \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.

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.

```
439 \ProvidesFile{fithesis/locale/mu/fsps/fithesis-english.def}[2015/06/26]
440
441% Placeholders
442 \gdef\thesis@english@facultyName{Faculty of Sports Studies}
443
444% Miscellaneous
445 \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.

```
446 \ProvidesFile{fithesis/locale/mu/fss/fithesis-english.def}[2015/06/26]
447
448% Placeholders
449 \gdef\thesis@english@facultyName{Faculty of Social Studies}
450 \gdef\thesis@english@assignment{Replace this page with a copy
451 of the official signed thesis assignment or the copy of the
452 Statement of an Author or both, depending on the requirements of
453 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.

```
454 \ProvidesFile{fithesis/locale/mu/econ/fithesis-english.def}[2015/06/26]
455 \gdef\thesis@english@facultyName{Faculty of Economics
456 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

 $\label{the:sis:emblock} $$ \end{\colored} within the style/mu/fithesis-med.sty style file.$

```
457 \ProvidesFile{fithesis/locale/mu/med/fithesis-english.def}[2015/06/26]
458
459 % Miscellaneous
460 \gdef\thesis@english@abstractTitle{Annotation}
461
462 % Placeholders
463 \gdef\thesis@english@facultyName{Faculty of Medicine}
464
465 % Bibliographic entry
466 \gdef\thesis@english@bib@title{Bibliographic record}
467 \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@titlePage block defined within the style/mu/fithesis-fi.sty style file.

```
468 \ProvidesFile{fithesis/locale/mu/fi/fithesis-english.def}[2015/06/26]
469
470 % Placeholders
471 \gdef\thesis@english@facultyName{Faculty of Informatics}
472 \gdef\thesis@english@assignment{Replace this page with a copy
473 of the official signed thesis assignment and the copy of the
474 Statement of an Author.}
475
476 % Others
477 \gdef\thesis@english@advisorSignature{Signature of Thesis
478 \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.

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.

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

```
482

483 % Placeholders

484 \gdef\thesis@english@facultyName{Faculty of Education}

485

486 % Bibliographic entry

487 \gdef\thesis@english@bib@title{Bibliographic record}

488 \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.

```
489 \ProvidesFile{fithesis/locale/mu/sci/fithesis-english.def}[2015/06/26]
490
491 % Placeholders
492 \gdef\thesis@english@facultyName{Faculty of Science}
493
494 % Miscellaneous
495 \global\let\thesis@english@advisorTitleEn=\thesis@english@bib@advisor
496
497 % Bibliographic entry
498 \gdef\thesis@english@bib@title{Bibliographic entry}
499 \global\let\thesis@english@bib@author\thesis@english@authorTitle
500 \gdef\thesis@english@bib@thesisTitle{Title of Thesis}
501 \gdef\thesis@english@bib@programme{Degree Programme}
502 \global\let\thesis@english@bib@field\thesis@english@fieldTitle
503 \gdef\thesis@english@bib@advisor{Supervisor}
504 \gdef\thesis@english@bib@academicYear{Academic Year}
505 \gdef\thesis@english@bib@pages{Number of Pages}
506 \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.

```
507 \ProvidesFile{fithesis/locale/fithesis-czech.def}[2016/01/05]
```

The locale file 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

 $\verb|\thesis@czech@typeName@akuzativ||$

\thesis@czech@typeName@akuzativ containing the accusative case of the thesis type name.

```
508
509 % Pomocná makra
510 \gdef\thesis@czech@gender@koncovka{%
511 \ifthesis@woman a\fi}
512
513 % Csquotes styl
514 \gdef\thesis@czech@csquotesStyle{german}
516% Zástupné texty
517 \gdef\thesis@czech@universityName{Název univerzity}
518 \gdef\thesis@czech@facultyName{Název fakulty}
519 \gdef\thesis@czech@assignment{Misto tohoto listu vložte kopii
520 oficiálního podepsaného zadání práce.}
521 \gdef\thesis@czech@declaration{Text prohlášení ...}
523 % Různé
524 \gdef\thesis@czech@fieldTitle{Obor}
525 \gdef\thesis@czech@advisorTitle{Vedouci práce}
526 \gdef\thesis@czech@authorTitle{Autor}
527 \gdef\thesis@czech@abstractTitle{Shrnutí}
528 \gdef\thesis@czech@keywordsTitle{Klíčová slova}
529 \gdef\thesis@czech@thanksTitle{Poděkování}
530 \gdef\thesis@czech@declarationTitle{Prohlášení}
531 \gdef\thesis@czech@idTitle{ID}
532 \gdef\thesis@czech@spring{jaro}
533 \gdef\thesis@czech@fall{podzim}
534 \gdef\thesis@czech@semester{%
535 \thesis@{czech@\thesis@season} \thesis@seasonYear}
536 \gdef\thesis@czech@typeName{%
537 \ifx\thesis@type\thesis@bachelors%
      Bakalářská práce%
538
539 \else\ifx\thesis@type\thesis@masters%
540
      Diplomová práce%
541 \else\ifx\thesis@type\thesis@doctoral%
      Disertační práce%
542
543 \else\ifx\thesis@type\thesis@rigorous%
544
      Rigorózní práce%
545 \else%
546
      <<Neznámý typ práce (\thesis@type)>>%
547 \fi\fi\fi\fi\}
548 \gdef\thesis@czech@typeName@akuzativ{%
    \ifx\thesis@type\thesis@bachelors%
550
      Bakalářskou práci%
551 \else\ifx\thesis@type\thesis@masters%
552
      Diplomovou práci%
553 \else\ifx\thesis@type\thesis@doctoral%
554
      Disertační práci%
    \else\ifx\thesis@type\thesis@rigorous%
555
556
      Rigorózní práci%
    \else%
557
```

```
558 <<Neznámý typ práce (\thesis@type)>>%
559 \fi\fi\fi\fi\
```

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.

```
560 \ProvidesFile{fithesis/locale/mu/fithesis-czech.def}[2015/11/17]
561
562 % Zástupné texty
563 \gdef\thesis@czech@universityName{Masarykova univerzita}
564 \gdef\thesis@czech@declaration{Prohlašuji, že jsem
565 \thesis@lower{czech@typeName@akuzativ} zpracoval%
566 \thesis@czech@gender@koncovka\ samostatně a
567 použil\thesis@czech@gender@koncovka\ jen prameny
568 uvedené~v seznamu literatury.}
569
570 % Různé
571 \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.

```
572 \ProvidesFile{fithesis/locale/mu/law/fithesis-czech.def}[2015/06/26]
573
574 % Různé
575 \gdef\thesis@czech@abstractTitle{Abstrakt}
576
577 % Zástupné texty
578 \gdef\thesis@czech@facultyName{Právnická fakulta}
579 \gdef\thesis@czech@facultyLongName{Právnická fakulta Masarykovy
580 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.

```
581 \ProvidesFile{fithesis/locale/mu/fsps/fithesis-czech.def}[2015/06/26]
582
583 % Zástupné texty
584 \gdef\thesis@czech@facultyName{Fakulta sportovních studií}
585
```

```
586% Různé
587\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.

```
588 \ProvidesFile{fithesis/locale/mu/fss/fithesis-czech.def}[2015/06/26]
589
590 % Zástupné texty
591 \gdef\thesis@czech@facultyName{Fakulta sociálních studií}
592 \gdef\thesis@czech@assignment{Místo tohoto listu
593 vložte kopie oficiálního podepsaného zadání práce nebo
594 prohlášení autora školního díla nebo obojí~v závislosti na
595 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.

```
597 \ProvidesFile{fithesis/locale/mu/econ/fithesis-czech.def}[2015/06/26] 598 \gdef\thesis@czech@facultyName{Ekonomicko-správní fakulta}
```

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.

```
599 \ProvidesFile{fithesis/locale/mu/med/fithesis-czech.def}[2015/06/26]
600
601 % Různé
602 \gdef\thesis@czech@abstractTitle{Anotace}
603
604 % Zástupné texty
605 \gdef\thesis@czech@facultyName{Lékařská fakulta}
606
607 % Bibliografický záznam
608 \gdef\thesis@czech@bib@title{Bibliografický záznam}
609 \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.

```
610 \ProvidesFile{fithesis/locale/mu/fi/fithesis-czech.def}[2015/06/26]
612% Zástupné texty
613 \gdef\thesis@czech@facultyName{Fakulta informatiky}
614 \gdef\thesis@czech@assignment{Místo tohoto listu
615 vložte kopie oficiálního podepsaného zadání práce a
    prohlášení autora školního díla.}
617 \gdef\thesis@czech@declaration{%
618 Prohlašuji, že tato \thesis@lower{czech@typeName} je mým
    původním autorským dílem, které jsem vypracoval%
620 \thesis@czech@gender@koncovka\ samostatně. Všechny zdroje,
    prameny a literaturu, které jsem při vypracování
621
    používal\thesis@czech@gender@koncovka\ nebo z~nich
623 čerpal\thesis@czech@gender@koncovka, v~práci řádně cituji
    s~uvedením úplného odkazu na příslušný zdroj.}
626% Ostatní
627 \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.

```
628 \ProvidesFile{fithesis/locale/mu/phil/fithesis-czech.def}[2015/06/26]
629
630 % Zástupné texty
631 \gdef\thesis@czech@facultyName{Filozofická fakulta}
632 \gdef\thesis@czech@declaration{%
633 Prohlašuji, že jsem \thesis@lower{czech@typeName@akuzativ}
634 vypracoval\thesis@czech@gender@koncovka\ samostatně~s využitím
635 uvedené literatury.}
637% Ostatní
638 \gdef\thesis@czech@typeName{%
    \ifx\thesis@type\thesis@bachelors%
      Bakalářská diplomová práce%
640
641 \else\ifx\thesis@type\thesis@masters%
     Magisterská diplomová práce%
643 \else\ifx\thesis@type\thesis@doctoral%
     Disertační práce%
644
645 \else%
      <<Neznámý typ práce (\thesis@type)>>%
646
647 fi\fi\fi
```

```
648 \gdef\thesis@czech@typeName@akuzativ{%
649 \ifx\thesis@type\thesis@bachelors%
650 Diplomovou práci%
651 \else\ifx\thesis@type\thesis@masters%
652 Diplomovou práci%
653 \else\ifx\thesis@type\thesis@doctoral%
654 Disertační práci%
655 \else%
656 <<Neznámý typ práce (\thesis@type)>>%
657 \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.

```
658 \ProvidesFile{fithesis/locale/mu/ped/fithesis-czech.def}[2015/06/26]
659
660 % Zástupné texty
661 \gdef\thesis@czech@facultyName{Pedagogická fakulta}
662
663 % Bibliografický záznam
664 \gdef\thesis@czech@bib@title{Bibliografický záznam}
665 \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.

```
666 \ProvidesFile{fithesis/locale/mu/sci/fithesis-czech.def}[2015/06/26]
667
668 % Zástupné texty
669 \gdef\thesis@czech@facultyName{Přírodovědecká fakulta}
670
671 % Ostatní
672 \gdef\thesis@czech@abstractTitle{Abstrakt}
673 \gdef\thesis@czech@declaration{%
674    Prohlašuji, že jsem svoji \thesis@lower{czech@typeName@%
675    akuzativ} vypracoval\thesis@czech@gender@koncovka\ samo%
676    statně s~využitím informačních zdrojů, které jsou v~práci
677    citovány.}
678
679 % Bibliografický záznam
```

```
680 \gdef\thesis@czech@bib@title{Bibliografický záznam}
681 \global\let\thesis@czech@bib@author\thesis@czech@authorTitle
682 \gdef\thesis@czech@bib@thesisTitle{Název práce}
683 \gdef\thesis@czech@bib@programme{Studijní program}
684 \global\let\thesis@czech@bib@field\thesis@czech@fieldTitle
685 \global\let\thesis@czech@bib@advisor\thesis@czech@advisorTitle
686 \gdef\thesis@czech@bib@academicYear{Akademický rok}
687 \gdef\thesis@czech@bib@pages{Počet stran}
688 \global\let\thesis@czech@bib@keywords\thesis@czech@keywordsTitle
```

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.

689 \ProvidesFile{fithesis/locale/fithesis-slovak.def}[2016/01/05]

The locale file 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

\thesis@slovak@typeName@akuzativ containing the accusative case of the thesis type name.

```
690
691 % Pomocná makrá
692 \gdef\thesis@slovak@gender@koncovka{%
    \ifthesis@woman a\fi}
694
695% Csquotes štýl
696 \gdef\thesis@slovak@csquotesStyle{german}
698 % Zástupné texty
699 \gdef\thesis@slovak@universityName{Názov univerzity}
700 \gdef\thesis@slovak@facultyName{Názov fakulty}
701 \gdef\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
702 oficiálneho podpísaného zadania práce.}
703 \gdef\thesis@slovak@declaration{Text prehlásenie ...}
704
705 % Rôzne
706 \gdef\thesis@slovak@fieldTitle{Odbor}
707 \gdef\thesis@slovak@advisorTitle{Vedúci práce}
708 \gdef\thesis@slovak@authorTitle{Autor}
709 \gdef\thesis@slovak@abstractTitle{Zhrnutie}
710 \gdef\thesis@slovak@keywordsTitle{Kľúčové slová}
711 \gdef\thesis@slovak@thanksTitle{Podakovanie}
712 \gdef\thesis@slovak@declarationTitle{Prehlásenie}
713 \gdef\thesis@slovak@idTitle{ID}
714 \gdef\thesis@slovak@spring{jar}
```

```
715 \gdef\thesis@slovak@fall{jeseň}
716 \gdef\thesis@slovak@semester{%
   \thesis@{slovak@\thesis@season} \thesis@seasonYear}
718 \gdef\thesis@slovak@typeName{%
    \ifx\thesis@type\thesis@bachelors%
720
      Bakalárska práca%
721
    \else\ifx\thesis@type\thesis@masters%
722
      Diplomová práca%
    \else\ifx\thesis@type\thesis@doctoral%
723
      Dizertačná práca%
724
    \else\ifx\thesis@type\thesis@rigorous%
725
726
      Rigorózna práca%
727
    \else%
      <<Neznámy typ práce (\thesis@type)>>%
728
729 \fi\fi\fi\fi\}
730 \gdef\thesis@slovak@typeName@akuzativ{%
    \verb|\ifx\theta is @type thesis @bachelors||
      Bakalársku prácu%
732
733 \else\ifx\thesis@type\thesis@masters%
734
      Diplomovú prácu%
    \else\ifx\thesis@type\thesis@doctoral%
735
      Dizertačnú prácu%
736
    \else\ifx\thesis@type\thesis@rigorous%
737
      Rigoróznu prácu%
738
739
    \else%
740
      <<Neznámy typ práce (\thesis@type)>>%
    \fi\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.

```
742 \ProvidesFile{fithesis/locale/mu/fithesis-slovak.def}[2015/11/17]
743
744% Zástupné texty
745 \gdef\thesis@slovak@universityName{Masarykova univerzita}
746 \gdef\thesis@slovak@declaration{%
747 Prehlasujem, že som predloženú \thesis@lower{%
748 slovak@typeName@akuzativ} vypracoval%
749 \thesis@slovak@gender@koncovka\ samostatne len s~použitím
750 uvedenej literatúry a prameňov.}
751
752% Rôzne
753 \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.

```
754 \ProvidesFile{fithesis/locale/mu/law/fithesis-slovak.def}[2015/06/26]
755
756 % Rôzne
757 \gdef\thesis@slovak@abstractTitle{Abstrakt}
758
759 % Zástupné texty
760 \gdef\thesis@slovak@facultyName{Právnická fakulta}
761 \gdef\thesis@slovak@facultyLongName{Právnická fakulta Masarykovej
762 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.

```
763 \ProvidesFile{fithesis/locale/mu/fsps/fithesis-slovak.def}[2015/06/26]
764
765 % Zástupné texty
766 \gdef\thesis@slovak@facultyName{Fakulta športových štúdií}
767
768 % Rôzne
769 \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.

```
770 \ProvidesFile{fithesis/locale/mu/fss/fithesis-slovak.def}[2015/06/26]
771
772 % Zástupné texty
773 \gdef\thesis@slovak@facultyName{Fakulta sociálnych štúdií}
774 \gdef\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
775 oficiálneho podpísaného zadania práce alebo prehlásenie autora
776 školského diela alebo obidve~v závislosti na požiadavkách
777 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.

```
778 \ProvidesFile{fithesis/locale/mu/econ/fithesis-slovak.def}[2015/06/26] 779 \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.

```
780 \ProvidesFile{fithesis/locale/mu/med/fithesis-slovak.def}[2015/06/26]
781
782 % Rôzne
783 \gdef\thesis@slovak@abstractTitle{Anotácie}
784
785 % Zástupné texty
786 \gdef\thesis@slovak@facultyName{Lekárska fakulta}
787
788 % Bibliografický zoznam
789 \gdef\thesis@slovak@bib@title{Bibliografický záznam}
790 \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.

```
791 \ProvidesFile{fithesis/locale/mu/fi/fithesis-slovak.def}[2015/06/26]
792
793 % Zástupné texty
794 \gdef\thesis@slovak@facultyName{Fakulta informatiky}
795 \gdef\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
796 oficiálneho podpísaného zadania práce a prehlásenie autora
797 školského diela.}
798 \gdef\thesis@slovak@declaration{%
799 Prehlasujem, že táto \thesis@lower{slovak@typeName} je mojím
    pôvodným autorským dielom, ktoré som vypracoval%
    \thesis@slovak@gender@koncovka\ samostatne. Všetky zdroje,
    pramene a literatúru, ktoré som pri vypracovaní
    používal\thesis@slovak@gender@koncovka\ alebo z~nich
    čerpal\thesis@slovak@gender@koncovka, v~práci riadne citujem
805
    s~uvedením úplného odkazu na príslušný zdroj.}
806
807 % Rôzne
808 \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.

```
809 \ProvidesFile{fithesis/locale/mu/phil/fithesis-slovak.def}[2015/06/26]
811 % Zástupné texty
812 \gdef\thesis@slovak@facultyName{Filozofická fakulta}
813 \gdef\thesis@slovak@declaration{%
814 Prehlasujem, že som predloženú \thesis@lower{%
815
    slovak@typeName@akuzativ} vypracoval%
    \thesis@slovak@gender@koncovka\ samostatne na
    základe vlastných zistení a len s~použitím
    uvedenej literatúry a prameňov.}
820 % Rôzne
821 \gdef\thesis@slovak@typeName{%
    \ifx\thesis@type\thesis@bachelors%
822
      Bakalárska diplomová práca%
823
    \else\ifx\thesis@type\thesis@masters%
824
      Magisterská diplomová práca%
825
    \else\ifx\thesis@type\thesis@doctoral%
826
      Dizertačná práca%
827
828
    \else%
829
      <<Neznámy typ práce (\thesis@type)>>%
830 \fi\fi\fi}
831 \gdef\thesis@slovak@typeName@akuzativ{%
    \ifx\thesis@type\thesis@bachelors%
832
833
      Diplomovú prácu%
    \else\ifx\thesis@type\thesis@masters%
834
      Diplomovú prácu%
835
    \else\ifx\thesis@type\thesis@doctoral%
836
837
      Dizertačnú prácu%
    \else%
838
839
      <<Neznámý typ práce (\thesis@type)>>%
    \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.

```
841 \ProvidesFile{fithesis/locale/mu/ped/fithesis-slovak.def}[2015/06/26]
842
843 % Zástupné texty
```

```
844\gdef\thesis@slovak@facultyName{Pedagogická fakulta}
845
846% Bibliografický zoznam
847\gdef\thesis@slovak@bib@title{Bibliografický záznam}
848\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.

```
849 \ProvidesFile{fithesis/locale/mu/sci/fithesis-slovak.def}[2015/06/26]
850
851 % Zástupné texty
852 \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 $file{filename}$ 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@blocks@preamble

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

\thesis@blocks@postamble

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

\thesis@blocks@mainMatter

• \thesis@blocks@mainMatter – If autolayout is enabled, then this macro is expanded at the beginning of the document right after \thesis@blocks@preamble. This macro sets the style of the main matter of the thesis.

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.

```
853 \NeedsTeXFormat{LaTeX2e}
854 \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.

```
855 \ProvidesPackage{fithesis/style/mu/fithesis-base}[2015/12/09]
856 \NeedsTeXFormat{LaTeX2e}
```

The file recognizes the following options:

• 10pt, 11pt, 12pt – Sets the type size to 10, 11 or 12 points respectively.

```
857 \DeclareOption{10pt}{\def\thesis@ptsize{0}}
858 \DeclareOption{11pt}{\def\thesis@ptsize{1}}
859 \DeclareOption{12pt}{\def\thesis@ptsize{2}}
```

• oneside, twoside – The document is going to be either single- or doublesided, 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@

```
% \newif\ifthesis@twoside@
% \DeclareOption{oneside}{%
% \thesis@twoside@false\@twosidefalse\@mparswitchfalse}
% \DeclareOption{twoside}{%
% \thesis@twoside@true \@twosidetrue \@mparswitchtrue}
```

• onecolumn, twocolumn – The document is going to be set in either a single column or in two columns, respectively.

```
865 \DeclareOption{onecolumn}{\@twocolumnfalse}
866 \DeclareOption{twocolumn}{\@twocolumntrue}
```

 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.

```
867 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
868 \DeclareOption{final}{\setlength\overfullrule{0pt}}
```

• palatino, nopalatino – The roman text font family and the 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@palatino@

869 \newif\ifthesis@palatino@
870 \DeclareOption{palatino}{\thesis@palatino@true}
871 \DeclareOption{nopalatino}{\thesis@palatino@false}

\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@microtype@

• microtype, nomicrotype – The microtypographic extension of modern TEX engines – such as pdfTEX, XETEX, or LuaTEX – is or isn't going to be enabled, respectively. The \ifthesis@microtype@ conditional is set to either true or false, respectively.

```
875 \newif\ifthesis@microtype@
876 \DeclareOption{microtype}{\thesis@microtype@true}
877 \DeclareOption{nomicrotype}{\thesis@microtype@false}
```

• table, oldtable — If the \ifthesis@color@ conditional is true, then the definitions of the tabular, tabularx, and tabu 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.

\ifthesis@newtable@

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.

```
881 \DeclareOption{nolot}{\def\thesis@blocks@lot{}}
882 \DeclareOption{lot}{\let\thesis@blocks@lot\listoftables}
```

\thesis@blocks@tables

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

```
NDeclareOption{nolof}{\def\thesis@blocks@lof{}}
DeclareOption{lof}{\let\thesis@blocks@lof\listoffigures}
```

\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.

```
885 \newif\ifthesis@cover@
886 \DeclareOption{nocover}{\thesis@cover@false}
887 \DeclareOption{cover}{\thesis@cover@true}
```

• digital, printed – These macrooptions set the options that are appropriate for either the printed or for the digital version of the document, respectively.

```
888 \DeclareOption{digital}{\ExecuteOptions{color,cover}}
889 \DeclareOption{printed}{\ExecuteOptions{monochrome,nocover}}
```

These are the default options:

```
890 \ExecuteOptions{%
891 printed,12pt,twoside,final,microtype,palatino,oldtable,lot,lof}
892 \ProcessOptions*
```

The file uses English locale strings within the macros.

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

The file loads the following packages:

- xcolor Adds support for color manipulation.
- ifxetex Used to detect the X_HT_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.

```
894 \thesis@require{xcolor}
895 \thesis@require{graphicx}
896 \thesis@require{pdfpages}
897 \thesis@require{keyval}
898 \thesis@require{ifxetex}
899 \thesis@require{ifluatex}
```

If the \thesis@microtype@ is set to true, then the microtype package gets loaded.

```
900 \ifthesis@microtype@
901 \thesis@require[final,babel]{microtype}
902 \fi
```

\ifthesis@xeluatex

```
903 {\let\x\expandafter
904 \x\global\x\let\x\ifthesis@xeluatex\csname if%
```

```
905 \ifxetex true\else
906 \ifluatex\x\x\x t\x\x\x r\x\x\x u\x\x\x e%
907 \else f\x\x\x a\x\x\x 1\x\x\x s\x\x\x e%
908 \fi
909 \fi\endcsname}
```

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

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

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

```
910 \ifthesis@xeluatex
911 \ifthesis@palatino@
912 \thesis@require{fontspec}
913 \thesis@require{unicode-math}
914 \setmainfont[Ligatures=TeX]{TeX Gyre Pagella}
915 \setmathfont[math-style=ISO,bold-style=ISO,vargreek-shape=TeX]%
916 \{texgyrepagella-math.otf}
917 \fi
```

The following packages get only loaded, when the document is not being typeset using the XHTEX 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.

```
918 \else
919 \ifthesis@palatino@
920 \RequirePackage[resetfonts]{cmap}
921 \thesis@require{lmodern}
922 \thesis@require{mathpazo}
923 \thesis@require{tgpagella}
924 \RequirePackage[T1]{fontenc}
925 \fi
926 \fi
```

If the \thesis@newtable@ conditional is true, then some of the dimensions associated with tables are modified in preparation for the coloring of the table cells. The following packages are also loaded:

- tabularx Provides the tabularx environment, which enables the typesetting of tables with flexible-width columns.
- tabu Provides the tabu environment, which enables the typesetting of complex tables.
- booktabs A package, which allows the creation of publication-quality tables in LATeX.

When both the \thesis@newtable@ and \thesis@color@ conditionals are true, then 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. Similarly, the \thesis@newtable@oldx and \endthesis@newtable@oldx macros are defined for the tabularx environment and the \thesis@newtable@oldtabu and \endthesis@newtable@oldtabu for the tabu environment.

```
938
    \ifthesis@color@
       % The redefinition of 'tabular'
939
940
       \renewenvironment{tabular}%
941
         {\rowcolors{1}{thesis@color@tableOdd}%
                       {thesis@color@tableEven}%
942
943
          \thesis@newtable@old}%
944
         {\endthesis@newtable@old}
       % The redefinition of 'tabularx'
945
       \let\thesis@newtable@oldx\tabularx
946
       \let\endthesis@newtable@oldx\endtabularx
947
       \renewenvironment{tabularx}%
948
         {\rowcolors{1}{thesis@color@tableOdd}%
949
                       {thesis@color@tableEven}%
950
          \thesis@newtable@oldx}%
951
         {\endthesis@newtable@oldx}
952
953
       % The redefinition of 'tabu'
954
       \let\thesis@newtable@oldtabu\tabu
955
       \let\endthesis@newtable@oldtabu\endtabu
956
       \renewenvironment{tabu}%
957
         {\rowcolors{1}{thesis@color@tableOdd}%
```

\thesis@newtable@old \endthesis@newtable@old

\thesis@newtable@oldx \endthesis@newtable@oldx \thesis@newtable@oldtabu \endthesis@newtable@oldtabu

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.

```
963 \thesis@require{hyperref}
964 \hypersetup{
965 pdfborderstyle={/S/U/W 1}, % Less obtrusive borders
966 plainpages=false} % Multiple page numbering support
Clubs and widows are set to be infinitely bad.
967 \widowpenalty 10000
968 \clubpenalty 10000
```

\thesis@color@setup

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

```
969 \def\thesis@color@setup#1{%
970 \setkeys{thesis@color}{#1}}
```

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 environments under the name thesis@color@tableOdd.
- 3. {\tableEven=color\} Stores the color of the even rows of the redefined tabular and tabularx environments under the name thesis@color@tableEven.
- 4. ${\langle tableEmph=color \rangle}$ 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.

```
971 \define@key{thesis@color}{links}{%
972  \definecolor{thesis@color@links}#1
973  \hypersetup{linkbordercolor=thesis@color@links}}
974 \define@key{thesis@color}{tableOdd}{%
975  \definecolor{thesis@color@tableOdd}#1}
976 \define@key{thesis@color}{tableEven}{%
977  \definecolor{thesis@color@tableEven}#1}
978 \define@key{thesis@color}{tableEmph}{%
979  \definecolor{thesis@color@tableEmph}#1}
```

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

\thesis@blocks@coverMatter

The \thesis@blocks@coverMatter macro sets up the style of the cover and the title page of the thesis. This amounts to disabling the page numbering, so that hyperref links do not point to the cover page and the title page instead of the initial pages of the main matter.

```
980 \def\thesis@blocks@coverMatter{%
981 \pagenumbering{gobble}}
```

\thesis@blocks@frontMatter

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

```
982 \def\thesis@blocks@frontMatter{%
983 \thesis@blocks@clear
984 \pagestyle{plain}
985 \parindent 1.5em
986 \setcounter{page}{1}
987 \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.

```
988 \def\thesis@blocks@clear{%
989 \ifthesis@twoside@%
990 \clearpage%
991 \thispagestyle{empty}%
992 \cleardoublepage%
993 \else%
994 \newpage%
995 \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.

```
996 \def\thesis@blocks@clearRight{%
    \ifthesis@twoside@%
997
998
       \clearpage%
       \ifodd\value{page}%
999
          \thispagestyle{empty}%
1000
          \hbox{}%
1001
          \newpage%
1002
       \fi%
1003
1004
     \else%
1005
       \newpage%
1006
```

s@blocks@facultyLogo@monochrome

The $\t \ensuremath{\t}$ thesis@blocks@facultyLogo@monochrome[$\t \ensuremath{\t}$] macro typesets the $\t \ensuremath{\t}$ thesis@logopath $\t \ensuremath{\t}$ thesis@logopath $\t \ensuremath{\t}$ passed to $\t \ensuremath{\t}$ includegraphics.

 $1007 \verb|\newcommand{\thesis@blocks@facultyLogo@monochrome}[1]\%$

```
1008 [width=40mm]{{%
1009    \edef\@path{\thesis@logopath\thesis@facultyLogo}%
1010    \includegraphics[#1]{\@path}}}
```

thesis@blocks@facultyLogo@color

The \thesis@blocks@facultyLogo@color[\(\lambda\) macro typesets either the \thesis@logopath\thesis@facultyLogo logo, if the \ifthesis@color@ conditional is false, or the \thesis@logopath\thesis@facultyLogo-color logo otherwise with the given options passed to \includegraphics.

```
1011 \newcommand{\thesis@blocks@facultyLogo@color}[1]%
1012  [width=40mm]{{%
1013   \edef\@path{\thesis@logopath\thesis@facultyLogo%
1014   \ifthesis@color@-color\fi}%
1015  \includegraphics[#1]{\@path}}}
```

locks@universityLogo@monochrome

The $\t \ensuremath{\t}$ macro typesets the $\t \ensuremath{\t}$ thesis@logopath $\t \ensuremath{\t}$ be sis@logopath $\t \ensuremath{\t}$ be a passed to $\t \ensuremath{\t}$ includegraphics.

```
1016 \newcommand{\thesis@blocks@universityLogo@monochrome}[1]%
1017  [width=40mm]{{%
1018  \edef\@path{\thesis@logopath\thesis@universityLogo}%
1019  \includegraphics[#1]{\@path}}}
```

sis@blocks@universityLogo@color

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

```
1020 \newcommand{\thesis@blocks@universityLogo@color}[1]%
1021  [width=40mm]{{%
1022   \edef\@path{\thesis@logopath\thesis@universityLogo%
1023   \ifthesis@color@-color\fi}%
1024  \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.

```
1025 \def\thesis@blocks@cover{%
1026 \ifthesis@cover@%
1027 \thesis@blocks@clear%
1028 \begin{alwayssingle}%
1029 \thispagestyle{empty}%
1030 \begin{center}%
```

```
\thesis@blocks@cover@header%
1031
            \thesis@blocks@facultyLogo@monochrome\\[0.4in]%
1032
            \let\footnotesize\small%
1033
            \let\footnoterule\relax{}%
1034
            \thesis@blocks@cover@content%
1035
1036
            \par\vfill%
1037
            \thesis@blocks@cover@footer%
1038
          \end{center}%
1039
        \end{alwayssingle}%
1040
```

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.

```
1041 \newif\ifthesis@blocks@cover@university@
1042 \thesis@blocks@cover@university@true
1043 \newif\ifthesis@blocks@cover@faculty@
1044 \thesis@blocks@cover@faculty@true
1045 \verb|\newif\ifthesis@blocks@cover@department@
1046 \thesis@blocks@cover@department@false
1047 \newif\ifthesis@blocks@cover@field@
1048 \thesis@blocks@cover@field@false
1050 \def\thesis@blocks@cover@header{%
     {\sc\ifthesis@blocks@cover@university@%
1051
            \thesis@titlePage@LARGE\thesis@@{universityName}\\%
1052
      \fi\ifthesis@blocks@cover@faculty@%
1053
            \thesis@titlePage@Large\thesis@@{facultyName}\\%
1054
1055
      \fi\ifthesis@blocks@cover@department@%
            \thesis@titlePage@large\thesis@department\\%
1056
1057
         \fi}
```

```
\ifthesis@blocks@cover@field@%
1058
       {\thesis@titlePage@large\vskip 1em%
1059
         {\bf\thesis@@{fieldTitle}:} \thesis@field}%
1060
     \fi\vskip 2em}
1061
1062 \def\thesis@blocks@cover@content{%
1063 \quad \{\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil\}\%
1064
     \vskip 0.8in%
1065 {\thesis@titlePage@large\sc\thesis@@{typeName}}\\[0.3in]%
1066 {\thesis@titlePage@Large\bf\thesis@author}}
1067 \def\thesis@blocks@cover@footer{%
1068 {\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.

```
1069 \def\thesis@blocks@titlePage{%
1070
        \thesis@blocks@clear%
1071
        \begin{alwayssingle}%
         \thispagestyle{empty}%
1072
1073
          \begin{center}%
            \thesis@blocks@titlePage@header%
1074
            \thesis@blocks@facultyLogo@color\\[0.4in]%
1075
            \let\footnotesize\small%
1076
            \let\footnoterule\relax{}%
1077
1078
            \thesis@blocks@titlePage@content%
1079
            \par\vfill%
            \thesis@blocks@titlePage@footer%
1080
1081
          \end{center}%
1082
        \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.

```
1083 \newif\ifthesis@blocks@titlePage@university@
1084 \thesis@blocks@titlePage@university@true
1085 \newif\ifthesis@blocks@titlePage@faculty@
{\tt 1086\,\tt \thesis@blocks@titlePage@faculty@true}
1087 \newif\ifthesis@blocks@titlePage@department@
1088 \thesis@blocks@titlePage@department@false
1089 \newif\ifthesis@blocks@titlePage@field@
1090 \thesis@blocks@titlePage@field@false
1091
1092 \def\thesis@blocks@titlePage@header{%
     {\sc\ifthesis@blocks@titlePage@university@%
            \thesis@titlePage@LARGE\thesis@@{universityName}\\%
1094
1095
      \fi\ifthesis@blocks@titlePage@faculty@%
            \thesis@titlePage@Large\thesis@@{facultyName}\\%
1096
1097
      \fi\ifthesis@blocks@titlePage@department@%
1098
            \thesis@titlePage@large\thesis@department\\%
1099
         \fi}
     \ifthesis@blocks@titlePage@field@%
1100
       {\thesis@titlePage@large\vskip 1em%
1101
1102
         {\bf\thesis@@{fieldTitle}:} \thesis@field}%
1103
     \fi\vskip 2em}
1104 \let\thesis@blocks@titlePage@content=\thesis@blocks@cover@content
1105 \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.

```
1106 \def\thesis@blocks@tables{%
1107 \thesis@blocks@clear%
1108 \tableofcontents%
1109 \thesis@blocks@lot%
1110 \thesis@blocks@lof}
```

\thesis@blocks@declaration

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

```
1111 \def\thesis@blocks@declaration{%
1112 \thesis@blocks@clear%
1113 \begin{alwayssingle}%
1114 \chapter*{\thesis@0{declarationTitle}}%
1115 \thesis@declaration%
1116 \vskip 2cm%
1117 \hfill\thesis@author%
1118 \end{alwayssingle}}
```

macro is defined. Otherwise, the macro produces no output. 1119 \def\thesis@blocks@thanks{% 1120 \ifx\thesis@thanks\undefined\else% 1121 \thesis@blocks@clear% 1122 \begin{alwayssingle}% 1123 \chapter*{\vspace*{\fill}\thesis@@{thanksTitle}}% 1124 \thesis@thanks% 1125 \end{alwayssingle}% \fi} \thesis@blocks@abstract The \thesis@blocks@abstract macro typesets the abstract. 1127 \def\thesis@blocks@abstract{% \begin{alwayssingle}% % Start the new chapter without clearing the right page 1129 1130 {\def\cleardoublepage{} \chapter*{\thesis@@{abstractTitle}}}% 1131 \noindent\thesis@abstract% 1132 \par\vfil\null% 1133 \end{alwayssingle}} 1134 \thesis@blocks@abstractEn The \thesis@blocks@abstractEn macro typesets the abstract in English. If the current locale is English, the macro produces no output. 1135 \def\thesis@blocks@abstractEn{% \ifthesis@english\else% {\thesis@selectLocale{english}% \begin{alwayssingle}% 1138 % Start the new chapter without clearing the right page 1139 {\def\cleardoublepage{}% 1140 \chapter*{\thesis@english@abstractTitle}% 1141 \thesis@abstractEn}% 1142 \par\vfil\null% 1143 1144 \end{alwayssingle}}% 1145 \fi} The \thesis@blocks@keywords macro typesets the keywords. \thesis@blocks@keywords 1146 \def\thesis@blocks@keywords{% \begin{alwayssingle}% 1147 % Start the new chapter without clearing the right page 1148 {\def\cleardoublepage{}% 1149 \chapter*{\thesis@@{keywordsTitle}}% 1150 1151 \noindent\thesis@TeXkeywords}% \par\vfil\null% 1152 \end{alwayssingle}} 1153 \thesis@blocks@keywordsEn The \thesis@blocks@keywordsEn macro typesets the keywords in English. If the current locale is English, the macro produces no output. 1154 \def\thesis@blocks@keywordsEn{%

\thesis@blocks@thanks

The \thesis@blocks@thanks macro typesets the acknowledgement, if the \thesis@thanks

1155 \ifthesis@english\else%

```
{\thesis@selectLocale{english}%
1156
        \begin{alwayssingle}%
1157
         % Start the new chapter without clearing the right page
1158
          {\def\cleardoublepage{}%
1159
          \chapter*{\thesis@english@keywordsTitle}%
1160
          \thesis@TeXkeywordsEn}%
1161
1162
          \par\vfil\null%
       \end{alwayssingle}}%
1163
     \fi}
1164
```

\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 non-empty token list and the \ifthesis@blocks@assignment@ conditional is true.

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

```
1165 \newif\ifthesis@blocks@assignment@
1166 \thesis@blocks@assignment@true
1167 \def\thesis@blocks@assignment{%
     \ifthesis@blocks@assignment@%
       \ifx\thesis@assignmentFiles\undefined%
1169
         % Typeset a placeholder page.
1170
         \thesis@blocks@clear%
1171
         \begin{alwayssingle}%
1172
            \thispagestyle{empty}%
1173
1174
            \addtocounter{page}{-\ifthesis@twoside@2\else1\fi}%
1175
            \noindent\textit{\thesis@@{assignment}}%
         \end{alwayssingle}%
1176
       \else%
1177
         {\edef\@pdfList{\thesis@assignmentFiles}%
1178
         \fint \mathbb{C} 
1179
           \let\ea\expandafter
1180
            % Inject the specified PDF documents.
1181
            \def\@inject##1,{\thesis@blocks@clear
1182
              \def\@args{##1}\def\@relax{\relax}%
1183
              \ifx\@args\@relax\else%
1184
                % Trim leading spaces.
1185
                \edef\@trimmed{\romannumeral-'\.##1}%
1186
1187
                \includepdf[pages=-]\@trimmed
1188
                \ea\@inject\fi}%
```

\thesis@blocks@mainMatter

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

```
1193 \def\thesis@blocks@mainMatter{%
1194 \thesis@blocks@clear
1195 \setcounter{page}{1}
1196 \pagenumbering{arabic}
1197 \pagestyle{thesisheadings}
1198 \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.

```
1199% Table of contents will contain sectioning commands up to
1200% \subsubsection
1201 \setcounter{tocdepth}{3}
1203 % Load the 'fithesis-1*.clo' size option
1204\input\thesis@stylepath mu/fithesis-1\thesis@ptsize.clo\relax
1206 \def\ps@thesisheadings{%
1207 \def\chaptermark##1{%
1208 \markright{%
1209 \ifnum\c@secnumdepth >\m@ne
1210 \thechapter.\ %
1211 \fi ##1}}
1212 \let\@oddfoot\@empty
1213 \let\@oddhead\@empty
1214 \def\@oddhead{\vbox{\hbox to \textwidth{%
1215 \hfil{\sc\rightmark}}\vskip 4pt\hrule}}
1216 \if@twoside
1217 \def\@evenhead{\vbox{\hbox to \textwidth{%
1218 {\sc\rightmark}\hfil}\vskip 4pt\hrule}}
1219 \else
1220 \let\@evenhead\@oddhead
1221\fi
1222 \def\@oddfoot{\hfil\PageFont\thepage}
1223 \if@twoside
1224 \def\@evenfoot{\PageFont\thepage\hfil}%
1225 \else
1226 \let\@evenfoot\@oddfoot
1227\fi
1228 \let\@mkboth\markboth
```

```
1229 }
1230
1231 % Redefines the style of the chapter headings
1232 \renewcommand*\chapter{%
1233 \if@twoside
1234 \clearpage
1235 \thispagestyle{empty}
1236 \cleardoublepage
1237 \else
1238 \clearpage
1239\fi
1240 \thispagestyle{plain}%
1241 \global\@topnum\z@
1242 \@afterindentfalse
1243 \secdef\@chapter\@schapter}
1244
1245% Redefines the style of part headings
1246 \renewcommand*\part{%
1247 \clearpage
1248 \thispagestyle{empty}
1249 \cleardoublepage
1250 \thispagestyle{empty}%
1251 \if@twocolumn%
1252 \onecolumn
1253 \@tempswatrue
1254 \else
1255 \@tempswafalse
1256\fi
1257 \hbox{}\vfil
1258 \secdef\@part\@spart}
1259
1260 \newif\if@restonecol
1261 \def\alwayssingle{%
1262 \@restonecolfalse\if@twocolumn\@restonecoltrue\onecolumn\fi}
1263 \def\endalwayssingle{\if@restonecol\twocolumn\fi}
1264
1265 \renewcommand*\l@part[2]{%
     1266
1267
        \addpenalty{-\@highpenalty}%
1268
        \addvspace{0.5em \@plus\p@}%
1269
       \begingroup
1270
         \setlength\@tempdima{3em}%
          \parindent \z@ \rightskip \@pnumwidth
1271
          \parfillskip -\@pnumwidth
1272
1273
         {\leavevmode
1274
           \normalfont \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1275
           \nobreak
             \global\@nobreaktrue
1276
1277
             \everypar{\global\@nobreakfalse\everypar{}}%
1278
        \endgroup
```

```
\addvspace{0.2em \@plus\p@}%
1279
     \fi}
1280
1281
1282 \renewcommand*\l@chapter[2]{%
     \ifnum \c@tocdepth >\m@ne
1283
1284
       \addpenalty{-\@highpenalty}%
1285
       \ \ 1.0em \ 0plus \p0
       \setlength\@tempdima{1.5em}%
1286
       \begingroup
1287
          \parindent \z@ \rightskip \@pnumwidth
1288
          \parfillskip -\@pnumwidth
1289
          \leavevmode \bfseries
1290
1291
          \advance\leftskip\@tempdima
          \hskip -\leftskip
1292
         #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1293
          \penalty\@highpenalty
1294
1295
       \endgroup
     \fi}
1296
1297
1298 \renewcommand*\l@chapter{\@dottedtocline{1}{0em}{1.5em}}
1299 \renewcommand*\l@section{\@dottedtocline{2}{1.5em}{2.3em}}
1300 \renewcommand*\l@subsection{\@dottedtocline{3}{3.8em}{3.2em}}
1301 \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.

```
1302 (*opt)
1303 (*10pt)
1304 \ProvidesFile{fithesis/style/mu/fithesis-10.clo}[2015/06/23]
1307 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1308 \belowdisplayskip \abovedisplayskip
1309 \abovedisplayshortskip \z@ plus3\p@
1310 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1311 \let\@listi\@listI}
1312
1313 \renewcommand{\small}{\fontsize\@ixpt{11}\selectfont%
1314 \abovedisplayskip 8.5\p@ plus3\p@ minus4\p@
1315 \belowdisplayskip \abovedisplayskip
1316 \abovedisplayshortskip \z@ plus2\p@
1317 \belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
1318 \def\@listi{\leftmargin\leftmargini
1319 \topsep 4\p@ plus2\p@ minus2\p@\parsep 2\p@ plus\p@ minus\p@
1320 \itemsep \parsep}}
1322 \renewcommand{\footnotesize}{\fontsize\@viiipt{9.5}\selectfont%
1323 \abovedisplayskip 6\p@ plus2\p@ minus4\p@
```

```
1324 \belowdisplayskip \abovedisplayskip
1325 \abovedisplayshortskip \z@ plus\p@
1326 \belowdisplayshortskip 3\p@ plus\p@ minus2\p@
1327 \def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
1328 \topsep 3\p@ plus\p@ minus\p@\parsep 2\p@ plus\p@ minus\p@
1329 \itemsep \parsep}}
1330
1331 \renewcommand{\scriptsize}{\fontsize\@viipt{8pt}\selectfont}
1332 \renewcommand{\tiny}{\fontsize\@vpt{6pt}\selectfont}
\label{large} $$1333 \encommand{\large}{\fontsize\\@xiipt{14pt}\selectfont}$
1334\renewcommand{\Large}{\fontsize\@xivpt{18pt}\selectfont}
1335 \renewcommand{\LARGE}{\fontsize\@xviipt{22pt}\selectfont}
1336 \renewcommand{\huge}{\fontsize\@xxpt{25pt}\selectfont}
1337 \renewcommand{\Huge}{\fontsize\@xxvpt{30pt}\selectfont}
1338
1339 (/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.

```
1340 (*11pt)
1341 \ProvidesFile{fithesis/style/mu/fithesis-11.clo}[2015/06/23]
1342
1343 \renewcommand{\normalsize}{\fontsize\@xipt{14}\selectfont%
1344 \abovedisplayskip 11\p@ plus3\p@ minus6\p@
1345 \belowdisplayskip \abovedisplayskip
1346 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1347 %\abovedisplayshortskip \z@ plus3\@p
1348 \let\@listi\@listI}
1350 \renewcommand{\small}{\fontsize\@xpt{12}\selectfont%
1351 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1352 \belowdisplayskip \abovedisplayskip
1353 \abovedisplayshortskip \z@ plus3\p@
1354 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1355 \def\@listi{\leftmargin\leftmargini
1356 \topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
1357 \itemsep \parsep}}
1359 \renewcommand{\footnotesize}{\fontsize\@ixpt{11}\selectfont%
1360 \abovedisplayskip 8\p@ plus2\p@ minus4\p@
1361 \belowdisplayskip \abovedisplayskip
1362 \abovedisplayshortskip \z@ plus\p@
1363 \belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
1364 \def\@listi{\leftmargin\leftmargini
1365 \topsep 4\p@ plus2\p@ minus2\p@\parsep 2\p@ plus\p@ minus\p@
1366 \itemsep \parsep}}
1367
1368 \renewcommand{\scriptsize}{\fontsize\@viiipt{9.5pt}\selectfont}
```

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

\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.

```
1377 (*12pt)
1378 \ProvidesFile{fithesis/style/mu/fithesis-12.clo}[2015/06/23]
1379 (/12pt)
1380
1381 \def\thesis@titlePage@normalsize{\fontsize\@xiipt{14.5}%
1382 \selectfont\abovedisplayskip 12\p@ plus3\p@ minus7\p@
1383 \belowdisplayskip \abovedisplayskip
1384 \abovedisplayshortskip \z@ plus3\p@
1385 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1386 \let\@listi\@listI}
1387
1388 \def\thesis@titlePage@small{\fontsize\@xipt{13.6}\selectfont%
1389 \abovedisplayskip 11\p@ plus3\p@ minus6\p@
1390 \belowdisplayskip \abovedisplayskip
1391 \abovedisplayshortskip \z@ plus3\p@
```

```
1392 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1393 \def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
1394 \pm 4.5  plus2 \neq 0 minus\neq 0
1395
                \itemsep \parsep
                \topsep 9\p@ plus3\p@ minus5\p@}}
1396
1397
1398 \def\thesis@titlePage@footnotesize{\fontsize\@xpt{12}\selectfont%
1399 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1400 \belowdisplayskip \abovedisplayskip
1401 \abovedisplayshortskip \z@ plus3\p@
1402 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1403 \def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
1404 \topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
1405 \itemsep \parsep}}
1406
1407 \def\thesis@titlePage@scriptsize{\fontsize\@viiipt{9.5pt}\selectfont}
1408 \end{figure} A def\thesis@titlePage@tiny{\fontsize\@vipt{7pt}\selectfont}
1409 \def\thesis@titlePage@large{\fontsize\@xivpt{18pt}\selectfont}
1410 \def\thesis@titlePage@Large{\fontsize\@xviipt{22pt}\selectfont}
1411 \def\thesis@titlePage@LARGE{\fontsize\@xxpt{25pt}\selectfont}
1412 \def\thesis@titlePage@huge{\fontsize\@xxvpt{30pt}\selectfont}
1413 \def\thesis@titlePage@Huge{\fontsize\@xxvpt{30pt}\selectfont}
1414
1415 (*12pt)
1416 \renewcommand{\normalsize}{\thesis@titlePage@normalsize}
1417 \renewcommand{\small}{\thesis@titlePage@small}
1418 \renewcommand{\footnotesize}{\thesis@titlePage@footnotesize}
1419 \renewcommand{\scriptsize}{\thesis@titlePage@scriptsize}
1420 \renewcommand{\tiny}{\thesis@titlePage@tiny}
1421 \renewcommand{\large}{\thesis@titlePage@large}
1422 \renewcommand{\Large}{\thesis@titlePage@Large}
1423 \renewcommand{\LARGE}{\thesis@titlePage@LARGE}
1424 \renewcommand{\huge}{\thesis@titlePage@huge}
1425 \renewcommand{\Huge}{\thesis@titlePage@Huge}
1426 (/12pt)
1427 \let\@normalsize\normalsize
1428 \normalsize
1429
1430 \if@twoside
      \oddsidemargin 0.75in
1431
1432
      \evensidemargin 0.4in
1433
      \marginparwidth 0pt
1434 \else
      \oddsidemargin 0.75in
1435
1436
      \evensidemargin 0.75in
1437
      \marginparwidth 0pt
1438\fi
1439 \marginparsep 10pt
1440
1441 \topmargin 0.4in
```

```
1443 \headheight 20pt
1444 \headsep 10pt
1445 \topskip 10pt
1446 \footskip 30pt
1447
1448 (*10pt)
1449 \textheight = 43\baselineskip
1450 \advance\textheight by \topskip
1451 \textwidth 5.0truein
1452 \columnsep 10pt
1453 \columnseprule 0pt
1454
1455 \footnotesep 6.65pt
1456\skip\footins 9pt plus 4pt minus 2pt
1457 \floatsep 12pt plus 2pt minus 2pt
1458 \textfloatsep 20pt plus 2pt minus 4pt
1459 \intextsep 12pt plus 2pt minus 2pt
1460 \dblfloatsep 12pt plus 2pt minus 2pt
1461 \dbltextfloatsep 20pt plus 2pt minus 4pt
1463 \@fptop Opt plus 1fil
1464 \@fpsep 8pt plus 2fil
1465 \@fpbot 0pt plus 1fil
1466 \@dblfptop Opt plus 1fil
1467 \@dblfpsep 8pt plus 2fil
1468 \@dblfpbot 0pt plus 1fil
1469 \marginparpush 5pt
1470
1471 \parskip 0pt plus 1pt
1472 \partopsep 2pt plus 1pt minus 1pt
1473
1474 (/10pt)
1475 %
1476 (*11pt)
1477 \textheight = 39\baselineskip
1478 \advance\textheight by \topskip
1479 \textwidth 5.0truein
1480 \columnsep 10pt
1481 \columnseprule 0pt
1483 \footnotesep 7.7pt
1484 \skip\footins 10pt plus 4pt minus 2pt
1485 \floatsep 12pt plus 2pt minus 2pt
1486 \textfloatsep 20pt plus 2pt minus 4pt
1487 \intextsep 12pt plus 2pt minus 2pt
1488 \dblfloatsep 12pt plus 2pt minus 2pt
1489 \dbltextfloatsep 20pt plus 2pt minus 4pt
1490
1491 \@fptop Opt plus 1fil
```

```
1492 \@fpsep 8pt plus 2fil
1493 \@fpbot Opt plus 1fil
1494 \@dblfptop 0pt plus 1fil
1495 \@dblfpsep 8pt plus 2fil
1496 \@dblfpbot 0pt plus 1fil
1497 \marginparpush 5pt
1498
1499 \parskip Opt plus Opt
1500 \partopsep 3pt plus 1pt minus 2pt
1501
1502 (/11pt)
1503 %
1504 (*12pt)
1505 \textheight = 37\baselineskip
1506 \advance\textheight by \topskip
1507 \textwidth 5.0truein
1508 \columnsep 10pt
1509 \columnseprule 0pt
1511 \footnotesep 8.4pt
1512 \skip\footins 10.8pt plus 4pt minus 2pt
1513 \floatsep 14pt plus 2pt minus 4pt
1514 \textfloatsep 20pt plus 2pt minus 4pt
1515 \intextsep 14pt plus 4pt minus 4pt
1516 \dblfloatsep 14pt plus 2pt minus 4pt
1517 \dbltextfloatsep 20pt plus 2pt minus 4pt
1519 \@fptop Opt plus 1fil
1520 \@fpsep 10pt plus 2fil
1521 \@fpbot 0pt plus 1fil
1522 \@dblfptop 0pt plus 1fil
1523 \@dblfpsep 10pt plus 2fil
1524 \@dblfpbot 0pt plus 1fil
1525 \marginparpush 7pt
1526
1527 \parskip 0pt plus 0pt
1528 \partopsep 3pt plus 2pt minus 2pt
1529
1530 (/12pt)
1531 \@lowpenalty 51
1532 \@medpenalty 151
1533 \@highpenalty 301
1534 \@beginparpenalty -\@lowpenalty
1535 \@endparpenalty
                      -\@lowpenalty
1536 \@itempenalty
                      -\@lowpenalty
1537
1538 \def\@makechapterhead#1{%
1539
    {%
1540
        \setlength\parindent{\z@}%
1541
       \setlength\parskip {\z@}%
```

```
1542
                       \ifnum
                             \c@secnumdepth >\m@ne
1543
                             \par\nobreak
1544
                             1545
                       \fi
1546
1547
                       \Large \ChapFont \thechapter{} \space #1\par
1548
                       \vskip 20\p@
1549
1550
                }%
1551 }
1552
1553 \def\@makeschapterhead#1{%
1554
1555
                       \setlength\parindent{\z@}%
1556
                       \space{20} \space{20
1557
                       \Large \ChapFont #1\par
                       \nobreak
1558
                       \vskip 20\p@
1559
1560
                }%
1561 }
1562
1563 \def\chapter{%
                    \clearpage
1564
                    \thispagestyle{plain}
1565
                    \global\@topnum\z@
1566
1567
                    \@afterindentfalse
1568
                    \secdef\@chapter\@schapter
1569 }
1570
1571 \def\@chapter[#1]#2{%
1572
                \ifnum \c@secnumdepth
1573
                       >\m@ne
1574
                       \refstepcounter{chapter}%
                       \typeout{\@chapapp\space\thechapter.}%
1575
                       \addcontentsline{toc}{chapter}{\protect
1576
1577
                       \numberline{\thechapter}\bfseries #1}
                 \else%
1578
                       \addcontentsline{toc}{chapter}{\bfseries #1}
1579
1580
                \fi
1581
                 \chaptermark{#1}%
1582
                \addtocontents{lof}%
1583
                {\protect\addvspace{4\p@}}
                \addtocontents{lot}%
1584
1585
                {\protect\addvspace{4\p@}}
1586
                 \if@twocolumn
1587
                       \@topnewpage[\@makechapterhead{#2}]%
1588
                       \@makechapterhead{#2}%
1589
1590
                       \@afterheading
                \fi
1591
```

```
1592 }
1593
1594 \% \end{thm} $$1594 \% \end
                                                        \else \@makeschapterhead{#1}%
1595 %
1596 %
                                                                                      \markright{#1}
1597 %
                                                                                     \@afterheading\fi}
1598
1599 \def\section{\@startsection {section}{1}{\z@}{-3.5ex plus-1ex minus
                                  -.2ex}{2.3ex plus.2ex}{\reset@font\large\bfseries}}
1601 \ensuremath{\mbox{\mbox{$1601$ \lower} \lower} $$ 1601 \ensuremath{\mbox{\mbox{$1601$ \lower} \lower} $$ 1601 \ensuremath{\mbox{$1601$ \lower} \lower} $$ 1601 \ensuremath{\mbox{
                                  minus-.2ex}{1.5ex plus.2ex}{\reset@font\normalsize\bfseries}}
1603 \ def\ subsubsection \ \{\ subsubsection\} \ \{\ 2\% \} \ \{-3.25 ex\ plus\ p
                                  -1ex minus-.2ex}{1.5ex plus.2ex}{\reset@font\normalsize}}
1605 \def\paragraph{\@startsection
                                  {paragraph}{4}{\z@}{3.25ex plus1ex minus.2ex}{-1em}{\reset@font}
1606
                                  \normalsize\bfseries}}
1607
1608 \def\subparagraph{\@startsection
                                       {subparagraph}{4}{\parindent}{3.25ex plus1ex minus
1609
1610
                                        .2ex}{-1em}{\reset@font\normalsize\bfseries}}
1611
1612 \setcounter{secnumdepth}{2}
1613
1614 \def\appendix{\par
1615 \setcounter{chapter}{0}%
                        \setcounter{section}{0}%
1616
                        \def\@chapapp{\appendixname}%
1617
                        \def\thechapter{\Alph{chapter}}}
1618
1619
1620 \leftmargini 2.5em
1621 \leftmarginii 2.2em
                                                                                                                               % > \labelsep + width of '(m)'
1622 \leftmarginiii 1.87em % > \labelsep + width of 'vii.'
1623 \leftmarginiv 1.7em
                                                                                                                              % > \labelsep + width of 'M.'
1624 \leftmarginv 1em
1625 \leftmarginvi 1em
1626
1627 \leftmargin\leftmargini
1628 \labelsep .5em
1629 \labelwidth\leftmargini\advance\labelwidth-\labelsep
1630
1631 (*10pt)
1632 \def\@listI{\leftmargin\leftmargini \parsep 4\p@ plus2\p@ minus\p@%
1633 \topsep 8\p@ plus2\p@ minus4\p@
1634 \itemsep 4\p@ plus2\p@ minus\p@}
1635
1636 \let\@listi\@listI
1637 \@listi
1638
1639 \def\@listii{\leftmargin\leftmarginii
                              \labelwidth\leftmarginii\advance\labelwidth-\labelsep
1640
                              \topsep 4\p@ plus2\p@ minus\p@
1641
```

```
\parsep 2\p@ plus\p@ minus\p@
1642
      \itemsep \parsep}
1643
1644
1645 \def\@listiii{\leftmargin\leftmarginiii
       \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1646
1647
       \topsep 2\p@ plus\p@ minus\p@
1648
       \parsep \z@ \partopsep\p@ plus\z@ minus\p@
1649
       \itemsep \topsep}
1650
1651 \def\@listiv{\leftmargin\leftmarginiv
         \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1652
1654 \def\@listv{\leftmargin\leftmarginv
        \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1655
1656
1657 \def\@listvi{\leftmargin\leftmarginvi
        \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1658
1659 (/10pt)
1660 %
1661 (*11pt)
1662 \def\@listI{\leftmargin\leftmargini \parsep 4.5\p@ plus2\p@ minus\p@
1663 \topsep 9\p@ plus3\p@ minus5\p@
1664 \itemsep 4.5\p@ plus2\p@ minus\p@}
1665
1666 \let\@listi\@listI
1667 \@listi
1668
1669 \def\@listii{\leftmargin\leftmarginii
      \labelwidth\leftmarginii\advance\labelwidth-\labelsep
1670
      \t 0 topsep 4.5\p@ plus2\p@ minus\p@
1671
      \parsep 2\p@ plus\p@ minus\p@
1672
1673
      \itemsep \parsep}
1674
1675 \def\@listiii{\leftmargin\leftmarginiii
       \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1676
1677
       \topsep 2\p@ plus\p@ minus\p@
       \parsep \z@ \partopsep \p@ plus\z@ minus\p@
1678
1679
       \itemsep \topsep}
1681 \def\@listiv{\leftmargin\leftmarginiv
1682
         \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1683
1684 \def\@listv{\leftmargin\leftmarginv
         \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1685
1686
1687 \def\@listvi{\leftmargin\leftmarginvi
        \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1689 (/11pt)
1690 %
1691 (*12pt)
```

```
1692 \def\@listI{\leftmargin\leftmargini \parsep 5\p@ plus2.5\p@ minus\p@
1693 \topsep 10\p@ plus4\p@ minus6\p@
1694 \itemsep 5\p@ plus2.5\p@ minus\p@}
1695
1696 \let\@listi\@listI
1697 \@listi
1698
1699 \def\@listii{\leftmargin\leftmarginii
       \labelwidth\leftmarginii\advance\labelwidth-\labelsep
1700
       \topsep 5\p@ plus2.5\p@ minus\p@
1701
       \parsep 2.5\p@ plus\p@ minus\p@
1702
1703
      \itemsep \parsep}
1704
1705 \def\@listiii{\leftmargin\leftmarginiii
       \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1706
       \topsep 2.5\p@ plus\p@ minus\p@
1707
        \parsep \z@ \partopsep \p@ plus\z@ minus\p@
1708
       \itemsep \topsep}
1709
1710
1711 \def\@listiv{\leftmargin\leftmarginiv
        \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1712
1713
1714 \def\@listv{\leftmargin\leftmarginv
         \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1715
1716
1717 \def\@listvi{\leftmargin\leftmarginvi
         \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1718
1719 (/12pt)
1720 \langle / opt \rangle
```

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.

```
1721 \NeedsTeXFormat{LaTeX2e}
1722 \ProvidesPackage{fithesis/style/mu/fithesis-fi}[2015/12/08]
The file defines the color scheme of the respective faculty.
1723 \thesis@color@setup{
1724 links={HTML}{FFD451},
1725 tableEmph={HTML}{FFD451},
1726 tableOdd={HTML}{FFF9E5},
1727 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.

 $^{^1\}mathrm{See}\ \mathrm{http://www.fi.muni.cz/docs/BP_DP_na_FI.pdf}$

```
1728\ifx\thesis@type\thesis@bachelors\else
1729\ifx\thesis@type\thesis@masters\else
1730 \thesis@blocks@assignment@false
1731\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

```
1732 \def\thesis@blocks@titlePage@content{%
                        {\term{ } {\term{} 
                        {\thesis@titlePage@large\sc\thesis@@{typeName}\\[0.3in]}
1734
                        {\thesis@titlePage@Large\bf\thesis@author}
1735
                       % If this is a rigorous thesis, typeset the name of the
1736
                        % thesis advisor.
1737
                        \ifx\thesis@type\thesis@rigorous%
1738
1739
                              {\thesis@titlePage@large\\[0.3in]
                                     {\bf\thesis@@{advisorTitle}:} \thesis@advisor}
1740
1741
1742 \def\thesis@blocks@titlePage@footer{%
1743 {\thesis@titlePage@large\thesis@place, \thesis@@{semester}
1744 % If this is a rigorous thesis, create space for the advisor's
1745
                 % signature
                 \ifx\thesis@type\thesis@rigorous%
1746
                        \let\@A\relax\newlength{\@A}
1747
                              \settowidth{\@A}{\thesis@@{advisorSignature}}
1748
                              \left(\A^{\A}\right) 
1749
                        \ \left(-0.5em\right)_{\parbox{\QA}}{\
1750
                              \centering
1751
1752
                              \rule{\@A}{1pt}\\
                              \thesis@@{advisorSignature}
1753
1754
                        }}
                 \fi}}
1755
```

\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.

```
1756 \def\thesis@blocks@declaration{%
     \thesis@blocks@clear%
1757
     \begin{alwayssingle}%
1758
       \chapter*{\thesis@@{declarationTitle}}%
1759
       \thesis@declaration%
1760
       \vskip 2cm%
1761
       \hfill\thesis@author%
1762
1763
       \par\vfill\noindent%
       \textbf{\thesis@@{advisorTitle}:} \thesis@advisor%
1764
1765
       \par\vfil%
1766
     \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.

```
1767 \def\thesis@blocks@preamble{%
1768 \thesis@blocks@coverMatter
1769
       \thesis@blocks@cover
1770
       \thesis@blocks@titlePage
1771 \thesis@blocks@frontMatter
1772
      \thesis@blocks@assignment
       \thesis@blocks@declaration
       \thesis@blocks@thanks
1775
       \thesis@blocks@clearRight
1776
         \thesis@blocks@abstract
       \thesis@blocks@keywords
1777
1778
       \thesis@blocks@tables}
```

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.

```
1779 \NeedsTeXFormat{LaTeX2e}
1780 \ProvidesPackage{fithesis/style/mu/fithesis-sci}[2015/12/08]
```

The file defines the color scheme of the respective faculty.

```
1781 \thesis@color@setup{
1782 links={HTML}{20E366},
1783 tableEmph={HTML}{8EDEAA},
1784 tableOdd={HTML}{EDF7F1},
1785 tableEven={HTML}{CCEDD8}}
```

The file uses Czech locale strings within the macros.

1786 \thesis@requireLocale{czech}

The file loads the following packages:

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

```
1787 \thesis@require{tikz}
1788 \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.

```
1789\ifx\thesis@type\thesis@bachelors\else
1790\ifx\thesis@type\thesis@masters\else
1791 \thesis@blocks@assignment@false
1792\fi\fi
```

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

\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

```
1793 \def\thesis@blocks@bibEntry{%
    \begin{alwayssingle}%
1794
1795
      {% Start the new chapter without clearing the right page
1796
      {\def\cleardoublepage{}%
      \chapter*{\thesis@czech@bib@title}}%
1797
      % Calculate the width of the columns
1798
      \left(0A\right)\
1799
        \bf\thesis@czech@bib@author:}}
1800
      \left(\B\right)\
1801
        \bf\thesis@czech@bib@thesisTitle:}}
1802
      \ \left( \C\right) \
1803
        \bf\thesis@czech@bib@programme:}}
1804
      \left(\D\right)\
1805
        \bf\thesis@czech@bib@field:}}
1806
      % Unless this is a rigorous thesis, we will be typesetting the
1807
      % name of the thesis advisor.
1808
1809
      \let\@E\relax\newlength{\@E}
        \ifx\thesis@type\thesis@rigorous%
1810
          \setlength{\@E}{0pt}%
1811
        \else%
1812
          \settowidth{\@E}{{\bf\thesis@czech@bib@advisor:}}
1813
1814
        \fi%
      \left( \F\right) \simeq \left( \F\right) 
1815
        \bf\thesis@czech@bib@academicYear:}}
1816
      \let\@G\relax\newlength{\@G}\settowidth{\@G}{{%
1817
        \bf\thesis@czech@bib@pages:}}
1818
      \left(\H\right)\
1819
        \bf\thesis@czech@bib@keywords:}}
1820
1821
       \let\@skip\relax\newlength{\@skip}\setlength{\@skip}{16pt}
1822
      \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
```

```
max(\@A,\@B,\@C,\@D,\@E,\@F,\@G,\@H)}
1823
       \let\@right\relax\newlength{\@right}\setlength{\@right}{%
1824
          \textwidth-\@left-\@skip}
1825
       % Typeset the table
1826
       \renewcommand{\arraystretch}{2}
1827
       \noindent\begin{thesis@newtable@old}%
1828
1829
          {@{}p{\@left}@{\hskip\@skip}p{\@right}@{}}
          \textbf{\thesis@czech@bib@author:} &
1830
            \noindent\parbox[t]{\qright}{
1831
              \thesis@author\\
1832
              \thesis@czech@facultyName,
1833
              \thesis@czech@universityName\\
1834
              \thesis@department
1835
            }\\
1836
          \textbf{\thesis@czech@bib@thesisTitle:}
1837
            & \thesis@title \\
1838
          \textbf{\thesis@czech@bib@programme:}
1839
            & \thesis@programme \\
1840
          \textbf{\thesis@czech@bib@field:}
1841
1842
            & \thesis@field \\
         % Unless this is a rigorous thesis, typeset the name of the
1843
          % thesis advisor.
1844
          \ifx\thesis@type\thesis@rigorous\else%
1845
            \textbf{\thesis@czech@bib@advisor:}
1846
1847
              & \thesis@advisor \\
          \fi
1848
          \textbf{\thesis@czech@bib@academicYear:}
1849
1850
            & \thesis@academicYear \\
          \textbf{\thesis@czech@bib@pages:}
1851
            & \thesis@pages \\
1852
          \textbf{\thesis@czech@bib@keywords:}
1853
1854
            & \thesis@TeXkeywords \\
1855
       \end{thesis@newtable@old}}
     \end{alwayssingle}}
1856
```

\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

```
1857 \def\thesis@blocks@bibEntryEn{%
          {\thesis@selectLocale{english}
1859
          \begin{alwayssingle}
              % Start the new chapter without clearing the right page
1860
               {\def\cleardoublepage{}%
1861
               \chapter*{\thesis@english@bib@title}}%
1862
               {% Calculate the width of the columns
1863
1864
               \left( \mathbb{A}\right) 
                  \bf\thesis@english@bib@author:}}
1865
               \left(\B\right)\
1866
                  \bf\thesis@english@bib@thesisTitle:}}
1867
               \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
1868
                  \bf\thesis@english@bib@programme:}}
1869
               \left(\D\right)\
1870
                   \bf\thesis@english@bib@field:}}
1871
1872
               % Unless this is a rigorous thesis, we will be typesetting
               % the name of the thesis advisor.
1873
               \left( \mathbb E\right) 
1874
                  \ifx\thesis@type\thesis@rigorous%
1875
1876
                       \setlength{\@E}{0pt}%
1877
                   \else%
                       \settowidth{\@E}{{\bf\thesis@english@bib@advisor:}}
1878
                  \fi%
1879
               1880
                   \bf\thesis@english@bib@academicYear:}}
1881
               \ \left( \G\right) \simeq \G(\G) \
1882
                  \bf\thesis@english@bib@pages:}}
1883
               \left(\end{A}\right) \
1884
1885
                  \bf\thesis@english@bib@keywords:}}
               \ \left( \ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath
1886
               1887
                  max(\@A,\@B,\@C,\@D,\@E,\@F,\@G,\@H)
1888
1889
               \let\@right\relax\newlength{\@right}\setlength{\@right}{%
1890
                  \textwidth-\@left-\@skip}
              % Typeset the table
1891
               \renewcommand{\arraystretch}{2}
1892
               \noindent\begin{thesis@newtable@old}%
1893
                  \{0{p}(\theta)p{\theta}\
1894
                       \textbf{\thesis@english@bib@author:} &
1895
                           \noindent\parbox[t]{\@right}{
1896
                               \thesis@author\\
1897
                               \thesis@english@facultyName,
1898
                               \thesis@english@universityName\\
1899
                               \thesis@departmentEn
1900
1901
1902
                       \textbf{\thesis@english@bib@thesisTitle:}
1903
                          & \thesis@titleEn \\
```

```
\textbf{\thesis@english@bib@programme:}
1904
              & \thesis@programmeEn \\
1905
            \textbf{\thesis@english@bib@field:}
1906
              & \thesis@fieldEn \\
1907
            % Unless this is a rigorous thesis, typeset the name of the
1908
1909
            % thesis advisor.
1910
            \ifx\thesis@type\thesis@rigorous\else%
              \textbf{\thesis@english@bib@advisor:}
1911
                & \thesis@advisor \\
1912
1913
            \textbf{\thesis@english@bib@academicYear:}
1914
1915
             & \thesis@academicYear \\
            \textbf{\thesis@english@bib@pages:}
1916
             & \thesis@pages \\
1917
            \textbf{\thesis@english@bib@keywords:}
1918
             & \thesis@TeXkeywordsEn \\
1919
         \end{thesis@newtable@old}}
1920
       \end{alwayssingle}
1921
1922
     }}
```

\thesis@blocks@frontMatter

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.

```
1923 \def\thesis@blocks@frontMatter{%
1924 \pagestyle{empty}
1925 \parindent 1.5em
1926 \setcounter{page}{1}
1927 \pagenumbering{roman}}
```

\thesis@blocks@cover

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

```
1928 \def\thesis@blocks@cover{%
1929 \ifthesis@cover@
      \thesis@blocks@clear
1930
      \begin{alwayssingle}
1931
        \thispagestyle{empty}
1932
        \begin{center}
1933
        1934
            \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%
1935
1936
            \thesis@titlePage@large\thesis@department}
1937
        \vfill
        {\bf\thesis@titlePage@Huge\thesis@czech@typeName}
1938
        \vfill
1939
        {\thesis@titlePage@large\thesis@place
1940
1941
         \ \thesis@year\hfill\thesis@author}
        \end{center}
1942
1943
       \end{alwayssingle}
1944
    \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.

```
1945 \def\thesis@blocks@titlePage{%
1946
     \thesis@blocks@clear
1947
     \begin{alwayssingle}
1948
       \thispagestyle{empty}
       % The top of the page
1949
1950
       \begin{adjustwidth}{-12mm}{}
1951
          \begin{minipage}{30mm}
1952
            \thesis@blocks@universityLogo@color[width=30mm]
1953
          \end{minipage}\begin{minipage}{89mm}
1954
            \begin{center}
              {\sc\thesis@titlePage@LARGE\thesis@czech@universityName\\%
1955
                  \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%
1956
1957
                  \thesis@titlePage@normalsize\thesis@department}
1958
              \rule{\textwidth}{2pt}\vspace*{2mm}
1959
            \end{center}
1960
          \end{minipage}\begin{minipage}{30mm}
            \thesis@blocks@facultyLogo@color[width=30mm]
1961
          \end{minipage}
1962
1963
       \end{adjustwidth}
1964
       % The middle of the page
1965
       \parbox\textwidth{% Prevent vfills from squashing the leading
1966
          \bf\thesis@titlePage@Huge\thesis@TeXtitle}
1967
       {\thesis@titlePage@Huge\\[0.8em]}
1968
       {\thesis@titlePage@large\thesis@czech@typeName\\[1em]}
1969
       {\bf\thesis@titlePage@LARGE\thesis@author\\}
1970
1971
       \vfill\noindent
       % The bottom of the page
1972
       {\bf\thesis@titlePage@normalsize%
1973
         % Unless this is a rigorous thesis, typeset the name of the
1974
         % thesis advisor.
1975
          \ifx\thesis@type\thesis@rigorous\else%
1976
1977
              \thesis@czech@advisorTitle: \thesis@advisor\hfill%
1978
          \fi%
          \thesis@place\ \thesis@year}
1979
1980
     \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 typeset as though the locale were Czech in accordance with the formal requirements of the faculty.

```
1981 \def\thesis@blocks@preamble{{%
1982  \thesis@selectLocale{czech}%
1983  \thesis@blocks@coverMatter
1984  \thesis@blocks@cover
1985  \thesis@blocks@frontMatter
1986  \thesis@blocks@titlePage
```

```
\thesis@blocks@clearRight
1987
          \thesis@blocks@bibEntry
1988
          \thesis@blocks@bibEntryEn
1989
          \thesis@blocks@abstract
1990
          \thesis@blocks@abstractEn
1991
1992
        \thesis@blocks@assignment
1993
        \thesis@blocks@thanks
1994
        \thesis@blocks@declaration
        \thesis@blocks@tables}}
1995
```

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.

```
1996 \NeedsTeXFormat{LaTeX2e}
1997 \ProvidesPackage{fithesis/style/mu/fithesis-phil}[2015/12/08]
```

The file defines the color scheme of the respective faculty.

```
1998 \thesis@color@setup{
1999    links={HTML}{6FCEF2},
2000    tableEmph={HTML}{78CEF0},
2001    tableOdd={HTML}{EBF6FA},
2002    tableEven={HTML}{D0EBF5}}
```

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

```
2003 \thesis@blocks@titlePage@department@true 2004 \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.

```
2005 \def\thesis@blocks@preamble{%
2006 \thesis@blocks@coverMatter
2007 \thesis@blocks@cover
2008 \thesis@blocks@titlePage
2009 \thesis@blocks@frontMatter
2010 \thesis@blocks@declaration
2011 \thesis@blocks@thanks
2012 \thesis@blocks@tables}
```

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 require-

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

ments published at the website of the faculty⁴.

```
2013 \NeedsTeXFormat{LaTeX2e} 2014 \ProvidesPackage{fithesis/style/mu/fithesis-ped}[2015/12/08]
```

The file defines the color scheme of the respective faculty.

```
2015 \thesis@color@setup{
2016  links={HTML}{FFA02F},
2017  tableEmph={HTML}{FFBB6B},
2018  tableOdd={HTML}{FFF1E0},
2019  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

```
2028 \def\thesis@blocks@bibEntry{%
2029 \chapter*{\thesis@e{bib@title}}
2030 \noindent\thesis@upper{author@tail}, \thesis@author@head.
2031 \emph{\thesis@title}. \thesis@place: \thesis@e{universityName},
2032 \thesis@e{facultyName}, \thesis@department, \thesis@year.
2033 \thesis@pages\ \thesis@e{bib@pages}.
2034 \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.

```
2035 \def\thesis@blocks@preamble{%
2036 \thesis@blocks@coverMatter
2037 \thesis@blocks@cover
2038 \thesis@blocks@titlePage
2039 \thesis@blocks@frontMatter
2040 \thesis@blocks@bibEntry
2041 \thesis@blocks@clearRight
2042 \thesis@blocks@abstract
```

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

```
2043 \thesis@blocks@abstractEn
2044 \thesis@blocks@keywords
2045 \thesis@blocks@keywordsEn
2046 \thesis@blocks@declaration
2047 \thesis@blocks@thanks
2048 \thesis@blocks@tables}
```

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.

```
2049 \NeedsTeXFormat{LaTeX2e}
2050 \ProvidesPackage{fithesis/style/mu/fithesis-fss}[2015/12/08]
The file defines the color scheme of the respective faculty.
2051 \thesis@color@setup{
2052 links={HTML}{58EDD7},
2053 tableEmph={HTML}{69D6C6},
2054 tableOdd={HTML}{E3F1EE},
2055 tableEven={HTML}{C5E3DF}}
```

\thesis@blocks@frontMatter

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

```
2056 \def\thesis@blocks@frontMatter{%
2057 \pagestyle{plain}
2058 \parindent 1.5em
2059 \setcounter{page}{1}
2060 \pagenumbering{roman}}
```

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

```
2061 \def\thesis@blocks@preamble{% 2062 \thesis@blocks@coverMatter 2063 \thesis@blocks@cover 2064 \thesis@blocks@titlePage 2065 \thesis@blocks@frontMatter 2066 \thesis@blocks@clearRight 2067 \thesis@blocks@abstract
```

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

```
2068 \thesis@blocks@abstractEn
2069 \thesis@blocks@keywords
2070 \thesis@blocks@keywordsEn
2071 \thesis@blocks@assignment
2072 \thesis@blocks@declaration
2073 \thesis@blocks@thanks
2074 \thesis@blocks@tables}
```

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 faculty 6 .

```
2075 \NeedsTeXFormat{LaTeX2e}
2076 \ProvidesPackage{fithesis/style/mu/fithesis-law}[2015/12/08]
```

The file defines the color scheme of the respective faculty.

```
2077 \thesis@color@setup{
2078 links={HTML}{CF86EB},
2079 tableEmph={HTML}{D39BE8},
2080 tableOdd={HTML}{F2EBF5},
2081 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.

\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.

```
2086 \def\thesis@blocks@frontMatter{%
2087  \thesis@blocks@clear
2088  \pagestyle{plain}
2089  \parindent 1.5em
2090  \setcounter{page}{1}
2091  \pagenumbering{arabic}}
```

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

\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.

```
2092 \def\thesis@blocks@mainMatter{%
2093 \thesis@blocks@clear
2094 \pagestyle{thesisheadings}
2095 \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.

```
2096 \def\thesis@blocks@preamble{%
2097 \thesis@blocks@coverMatter
       \thesis@blocks@cover
2098
       \thesis@blocks@titlePage
2099
2100 \thesis@blocks@frontMatter
       \thesis@blocks@declaration
2101
       \thesis@blocks@clearRight
2102
         \thesis@blocks@abstract
2103
         \thesis@blocks@abstractEn
2104
         \thesis@blocks@keywords
2105
2106
         \thesis@blocks@keywordsEn
       \thesis@blocks@thanks
2107
       \thesis@blocks@tables}
2108
```

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

```
2109 \def\thesis@blocks@postamble{%
2110 \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.

```
 2111 \ensuremat{LaTeX2e} \\ 2112 \ensuremat{ProvidesPackage{fithesis/style/mu/fithesis-econ}[2015/12/08] }
```

The file defines the color scheme of the respective faculty.

```
2113 \thesis@color@setup{
2114    links={HTML}{F27995},
2115    tableEmph={HTML}{E8B88B},
2116    tableOdd={HTML}{F5ECEB},
2117    tableEven={HTML}{EBD8D5}}
```

The file loads the following packages:

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

- 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.

```
2118\thesis@require{tikz}
2119\thesis@require{geometry}
2120\geometry{top=25mm,bottom=20mm,left=25mm,right=25mm,includeheadfoot}
```

\thesis@blocks@cover

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

```
2121 \def\thesis@blocks@cover{%
2122 \ifthesis@cover@
       \thesis@blocks@clear
2123
       \begin{alwayssingle}
2124
2125
         \thispagestyle{empty}
2126
          \begin{center}
2127
          {\sc\thesis@titlePage@LARGE\thesis@@{universityName}\\%
2128
              \thesis@titlePage@Large\thesis@@{facultyName}\\}
          \vfill
2129
          {\bf\thesis@titlePage@Huge\thesis@@{typeName}}
2130
          \vfill
2131
          {\thesis@titlePage@large\thesis@place
2132
           \ \thesis@year\hfill\thesis@author}
2133
          \end{center}
2134
       \end{alwayssingle}
2135
2136
```

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.

```
2137 \thesis@blocks@titlePage@field@true
2138 \def\thesis@blocks@titlePage@content{%
    {\thesis@titlePage@Huge\bf\thesis@TeXtitle}
2140
    \ifthesis@english\else
      {\\[0.1in]\thesis@titlePage@Large\bf\thesis@TeXtitleEn}
2141
    2143 \def\thesis@blocks@titlePage@footer{%
    {\thesis@titlePage@large
2144
      {% Calculate the width of the thesis author and advisor boxes
2145
       \let\@A\relax\newlength{\@A}\settowidth{\@A}{{%
2146
         \bf\thesis@@{advisorTitle}:}}
2147
       \let\@B\relax\newlength{\@B}\settowidth{\@B}{\thesis@advisor}
2148
       \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
2149
         \bf\thesis@@{authorTitle}:}}
2150
       \label{OD}\
2151
```

```
\let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
2152
        max(\@A,\@B)}
2153
      \let\@right\relax\newlength{\@right}\pgfmathsetlength{\@right}{%
2154
        max(\@C,\@D)}
2155
      % Typeset the thesis author and advisor boxes
2156
2157
      \vskip 2in\begin{minipage}[t]{\@left}
2158
        {\bf\thesis@@{advisorTitle}:}\\thesis@advisor
      2159
        {\bf\thesis@@{authorTitle}:}\\thesis@author
2160
      \end{minipage}}\\[4em]\thesis@place, \thesis@year}}
2161
```

\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.

```
2162 \def\thesis@blocks@frontMatter{%
2163 \thesis@blocks@clear
     % In case of double-sided typesetting, change the geometry
2164
     \ifthesis@twoside@
2165
       \newgeometry{top=25mm,bottom=20mm,left=35mm,
2166
2167
         right=15mm, includeheadfoot}
2168
     \fi\pagestyle{empty}
2169
     \parindent 1.5em
     \setcounter{page}{1}
2170
     \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.

```
2172 \def\thesis@blocks@mainMatter{%
2173 \thesis@blocks@clear
2174 \pagestyle{thesisheadings}
2175 \parindent 1.5em\relax}
```

\thesis@blocks@toc

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

```
2176 \def\thesis@blocks@toc{%
2177 \thesis@blocks@clear%
2178 \tableofcontents}
```

\thesis@blocks@tables

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

```
2179 \def\thesis@blocks@tables{%
2180 \thesis@blocks@clear%
2181 \thesis@blocks@lot%
2182 \thesis@blocks@lof}
```

If the nolot and nolof options haven't been specified, the \thesis@blocks@lot and \thesis@blocks@lof macros are redefined to create an entry in the table of contents.

```
2183 \ifx\thesis@blocks@lot\empty\else
2184 \def\thesis@blocks@lot{%
2185
       \thesis@blocks@clear
       \phantomsection
2186
       \addcontentsline{toc}{chapter}{\listtablename}%
2187
2188
       \listoftables}
2189 \fi
2190
2191 \ifx\thesis@blocks@lof\empty\else
    \def\thesis@blocks@lof{%
2192
       \thesis@blocks@clear
2193
2194
       \phantomsection
2195
       \addcontentsline{toc}{chapter}{\listfigurename}%
       \listoffigures}
2196
2197\fi
```

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

```
2198 \def\thesis@blocks@preamble{%
2199
    \thesis@blocks@coverMatter
       \thesis@blocks@cover
2200
2201
     \thesis@blocks@frontMatter
2202
       \thesis@blocks@titlePage
2203
       \thesis@blocks@assignment
2204
      \thesis@blocks@clearRight
         \thesis@blocks@abstract
2205
         \thesis@blocks@abstractEn
2206
         \thesis@blocks@keywords
         \thesis@blocks@keywordsEn
2208
       \thesis@blocks@declaration
2209
       \thesis@blocks@thanks
2210
       \thesis@blocks@toc}
2211
```

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.

```
2212 \def\thesis@blocks@postamble{%
2213 \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.

```
2214 \NeedsTeXFormat{LaTeX2e}
2215 \ProvidesPackage{fithesis/style/mu/fithesis-med}[2015/12/08]
```

^{*}See http://is.muni.cz/do/med/zpravyprac/Optometrie/NALEZITOSTI_ZAVERECNE_PRACE.doc

The file defines the color scheme of the respective faculty.

```
2216 \thesis@color@setup{
2217 links={HTML}{F58E76},
2218 tableEmph={HTML}{FF9D85},
2219 tableOdd={HTML}{FFF5F6},
2220 tableEven={HTML}{FFDEDF}}
```

The file loads the following packages:

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

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

```
2221 \thesis@require{tikz}
2222 \thesis@require{geometry}
2223 \thesis@require{setspace}
2224 \geometry{top=25mm,bottom=20mm,left=25mm,right=25mm,includeheadfoot}
```

\thesis@blocks@cover

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

```
2225 \def\thesis@blocks@cover{%
    \ifthesis@cover@
2226
2227
       \thesis@blocks@clear
2228
       \begin{alwayssingle}
2229
         \thispagestyle{empty}
2230
         \begin{center}
         {\c \thesis@titlePage@LARGE\thesis@0{universityName}}\
2231
              \thesis@titlePage@Large\thesis@@{facultyName}\\}
2232
2233
         {\bf\thesis@titlePage@Huge\thesis@@{typeName}}
2234
         \vfill
2235
         {\thesis@titlePage@large\thesis@place
2236
          \ \thesis@year\hfill\thesis@author}
2237
2238
         \end{center}
       \end{alwayssingle}
2239
2240
     \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.

```
{% Calculate the width of the thesis author and advisor boxes
2246
       \left( \mathbb{A}\right) 
2247
         \bf\thesis@@{advisorTitle}:}}
2248
       2249
       \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
2250
2251
         \bf\thesis@@{authorTitle}:}}
2252
       \let\@D\relax\newlength{\@D}\settowidth{\@D}{\thesis@author}
       \left(\E\right)\
2253
         \bf\thesis@@{fieldTitle}:}}
2254
       \let\@F\relax\newlength{\@F}\settowidth{\@F}{\thesis@field}
2255
      \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
2256
2257
        max(\QA, \QB)
2258
      \let\@right\relax\newlength{\@right}\pgfmathsetlength{\@right}{%
        max(\@C,\@D,\@E,\@F)}
2259
      % Typeset the thesis author and advisor boxes
2260
      \vskip 2in\begin{minipage}[t]{\@left}
2261
        {\bf\thesis@@{advisorTitle}:}\\thesis@advisor
2262
      \end{minipage}\hfill\begin{minipage}[t]{\@right}
2263
        {\bf\thesis@@{authorTitle}:}\\\thesis@author
2264
2265
          \[1em]_{\bf\thesis@{fieldTitle}:}\\\thesis@field
      \end{minipage}}\\[4em]\thesis@place, \thesis@@{semester}}}
2266
```

\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.

```
2267 \def\thesis@blocks@frontMatter{%
     \thesis@blocks@clear
     % In case of double-sided typesetting, change the geometry
2269
2270
     \ifthesis@twoside@
       \newgeometry{top=25mm,bottom=20mm,left=35mm,
2271
         right=15mm, includeheadfoot}
2272
2273
     \fi\pagestyle{empty}
     \parindent 1.5em
2274
     \setcounter{page}{1}
2275
2276
     \pagenumbering{roman}}
```

\thesis@blocks@mainMatter

The \thesis@blocks@mainMatter macro sets up the style of the main matter of the thesis. The leading is adjusted in accordance with the requirements of the faculty.

```
2277 \def\thesis@blocks@mainMatter{%
2278  \thesis@blocks@clear
2279  \setcounter{page}{1}
2280  \pagenumbering{arabic}
2281  \pagestyle{thesisheadings}
2282  \parindent 1.5em
```

\onehalfspacing}

2283

\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

```
2284 \def\thesis@blocks@bibEntry{%
2285 \chapter*{\thesis@e{bib@title}}
2286 \noindent\thesis@upper{author@tail}, \thesis@author@head.
2287 \emph{\thesis@title}. \thesis@place: \thesis@e{universityName},
2288 \thesis@e{facultyName}, \thesis@department, \thesis@year.
2289 \thesis@pages\ \thesis@e{bib@pages}.
2290 \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.

```
2291 \def\thesis@blocks@preamble{%
2292 \thesis@blocks@coverMatter
2293
       \thesis@blocks@cover
2294 \thesis@blocks@frontMatter
       \thesis@blocks@titlePage
2295
2296
       \onehalfspacing
2297
      \thesis@blocks@clearRight
2298
         \thesis@blocks@abstract
         \thesis@blocks@abstractEn
2299
2300
         \thesis@blocks@kevwords
         \thesis@blocks@keywordsEn
2301
2302
       \thesis@blocks@bibEntry
2303
       \thesis@blocks@declaration
2304
       \thesis@blocks@thanks
2305
       \thesis@blocks@tables}
```

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.

```
2306 \NeedsTeXFormat{LaTeX2e}
2307 \ProvidesPackage{fithesis/style/mu/fithesis-fsps}[2015/12/08]
The file defines the color scheme of the respective faculty.
2308 \thesis@color@setup{
2309 links={HTML}{93BCF5},
2310 tableEmph=(UTML){ASBDE23}
```

²³⁰⁹ links={HTML}{93BCF5},
2310 tableEmph={HTML}{A8BDE3},
2311 tableOdd={HTML}{EBEFF5},
2312 tableEven={HTML}{D1DAEB}}

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

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

 ${\tt 2313\, \tt thesis@blocks@titlePage@field@true}\\$

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

```
2314 \def\thesis@blocks@preamble{%
2315 \thesis@blocks@coverMatter
2316 \thesis@blocks@cover
2317 \thesis@blocks@titlePage
2318 \thesis@blocks@frontMatter
2319 \thesis@blocks@declaration
2320 \thesis@blocks@thanks
2321 \thesis@blocks@tables}
```

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Change History

v0.0	v0.2.04
General: bachelor project of Daniel	General: fix SK declaration [Peter
Marek under supervision of	Cerensky, JP] 209
Petr Sojka 209	v0.2.05
v0.0a	General: add English abstract [JP] . 209
General: changes by Jan Pavlovič to	v0.2.06
allow fithesis being backend of	General: fix: behind Advisor [JP] . 209
docbook based system for the-	v0.2.07
sis writing 209	General: escape all Czech letters
v0.1	[JP] babel is used instead of
General: new release, documen-	stupid package czech [JP]
tation editing (CZ only, sorry)	\MainMatter should be placed
[PS] 209	after \tablesofcontents [PS] 209
v0.1a	v0.2.08
General: minor documentation changes (CZ only, sorry) [PS] . 209	General: add change of University
v0.1b	name [JP] 209
General: change of default size	v0.2.09
(11pt \rightarrow 12pt) [JP]209	General: add EN version of Univer-
v0.1c	sity name [JP] 209
General: default values of \facultyname	v0.2.10
and	General: fix EN name of Acknowl-
\@thesissubtitle set for backward	edgement [JP] 209
compatibility) [PS]	v0.2.11
v0.1d	General: fix missing fi-logo.mf
General: removed def schapter	[JP,PS] 209
from fit1*.clo [JP] 209	v0.2.12
v0.1e	General: Licence change to the
General: add Brno to MU title [JP] 209	LPPL [JP] 209
v0.1f	v0.2.12a
General: add documentation for hy-	General: fork fithesis2 by Mr. Fil-
perref [JP] 209	ipčík and Janoušek; cf. http://
v0.1g	github.com/liskin/fithesis 209
General: change of default size	v0.3.00
$(12pt \rightarrow 11pt) [JP] \dots 209$	General: fi logo is no longer special-
v0.2.00	cased (added eps and PDF),
General: add sk lang [JP, Peter Cerensky] set default cls class	\thesislogopath added to
to rapport3 [JP]	set the logo directory path, \thesiscolor added to enable
v0.2.01	colorful typo elements [VN] . 209
General: add subsubsection to toc	v0.3.01
[JP]209	General: documentation now uses
v0.2.02	babel and cmap packages. the
General: fix encoding bug [JP] 209	entire file was transcoded into
v0.2.03	utf8, \thesiscolor was re-
General: fix title spacing [PS, JP] 209	placed by color class option,

added PDF metadata stamping	of the presence of the color op-
support [VN] 209	tion. Dropped the support for
v0.3.02	typesetting theses outside MU.
General: PDF metadata stamping	[VN] 209
added for \thesistitle and	v0.3.07
\thesisstudent[VN] 209	General: Replaced the \thesiswoman
v0.3.03	command with \thesisgender.
General: Small fixes (added \relax	[VN]
	v0.3.08
at \MainMatter), generating	
both fithesis.cls (obsolete,	General: Fixed a non-terminated
loading fithesis2.cls) and	\if condition. [VN] (backport
fithesis2.cls, minor doc ed-	of v0.2.18)
its, version numbering of .clo	Fixed mostly documentation errors re-
fixed, switch to utf8 and ensur-	ported at the new fithesis discussion
ing that .dtx compiles. Docu-	forum (-ti, eco→econ, implicit twocol-
mentation adjusted to the sta-	umn, example extended (font setup),
tus quo, added link to discus-	etc.). [PS] (backport of v0.2.17) 209
sion forum (backport of v0.2.14)	v0.3.09
[PS]	General: A complete refactoring of
v0.3.04	the class. The class was decom-
General: Import the url package to	posed into a base class, locale
allow for the use of \url within	files and style files. [VN] 209
the documentation. (backport	v0.3.10
of v0.2.15@r13) [VN] 209	General: Fixed a typo in the tech-
v0.3.05	nical documentation. Updated
General: Added support for change	the Advanced usage chapter of
typesetting. Restructured the	the user guide. The required
code to make it more amenable	packaged listed in Section 2.2
to literal programming. Added	of the user guide are now al-
support for \CodelineIndex	ways correct. Adjusted the
typesetting. Added informa-	footer spacing in the styles of
tion about the usage of fithe-	econ and fi. Added Advanced
sis1 and fithesis2 on the FI unix	usage chapter to the user guide.
machines. (backport of v0.2.16)	Added the description of ba-
[VN] Minor changes through-	sic options into the user guide.
out the text, added a link to the	Added the table and oldtable
the fithesis forums [PS] (back-	options. Added the type field
port of v0.2.15@r14:15) 209	to the guide for completeness.
v0.3.06	[VN]
General: Added the colorx package	v0.3.11
and the base colors for each fac-	General: Added hyphenation
ulty. If the color option is spec-	into the technical documenta-
ified, the tabular environment	tion. Fixed an unterminated
gets redefined and uses the fac-	group. Polished the text of the
ulty colors to color alternating	guide. Added the palatino
table rows to improve readabil-	and nopalatino options. Stylis-
ity. The hyperref links in the e-	tic changes to the text of the
version are now likewise col-	technical documentation.
ored according to the chosen	\thesis@subdir is now ro-
faculty, in this case regardless	bust against relative paths.

Accounted for French spac-	to 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] 209	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] 209	of the keys. Added further de-
v0.3.13	scription regarding the use of
General: Fixed an inconsistency in	the assignment key. [VN] 209
the example code. Removed an	v0.3.16
extraneous \thesis@blocks@clear	General: Clubs and widows are
block withing the definition of	now set to be infinitely bad.
\thesis@blocks@frontMatter	The assignment key has weaker,
in the fss style file. Added	but more robust semantics now.
comments, fixed clubs and	[VN] 209
widows and removed text	v0.3.17
overflows within the user	General: Changed a forgotten
guides. Adjusted the colors of	\thesis@@lower{} invo-
various style files. Removed	cation in the definition of
the trailing dot in the biblio-	\thesis@czech@declaration
graphic identification within	for the Faculty of Arts into
the med and ped style files.	\thesis@@lower{czech@},
Fixed a typo within the tech-	so that the macro always ex-
nical 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
blocks within the sci style file.	the Faculty of Arts only uses
The \thesis@blocks@assignment	Czech strings within the Czech
block no longer clears a page	locale. Removed an extrane-
when nothing is inserted.	ous comment. Fixed a unit test.
It is also no longer hard-	Fixed a changelog entry. [VN] 209
coded to be hidden for rig-	v0.3.18
orous theses. Instead, the	General: A bulk of changes re-
\ifthesis@blocks@assignment	quired to submit the docu-
conditional can be set either by	ment class to CTAN: Changed
the subsequently loaded style	the structure of the output
files or by the user. So far, only	fithesis3.ctan.zip archive.
the fi and sci style files set the	Updated the license notice.
conditional. [VN] 209	Added a README file. Canon-
v0.3.14	icalized a url within the user
General: Updated the documenta-	guides. Renamed the root
tion. [VN] 209	directory from fithesis3/
v0.3.15	to fithesis/. Refactored
General: Renamed \thesis@requireStyl	
to \thesis@requireWithOptions	oper example files. Renamed
and moved the style loader	docstrip.cfg to LICENSE.tex
from the \thesis@load routine	to better describe its role. The

fithesis.dtx file now gener-	v0.3.23
ates a VERSION. tex file contain-	General: Fixed a typo in the Slovak
ing the version of the package,	locale. [VN] 209
when it's being typeset. Flat-	v0.3.24
tened the logo/ directory struc-	General: Added the \thesis@backend
ture. [VN] 209	tunable. The hyphenation
v0.3.19	pattern switching now uses
General: Updated the license.	polyglossia instead of crude
Added the fithesis- pre-	\language switching wheren-
fix to locale files. Proof-read	ever possible. Added the
and updated the documen-	opt-out microtype class op-
tation. Encapsulated the	tion, which loads the microty-
localeInheritance and	pographic extension. The
styleInheritance setters.	\thesis@locale@summer and
Added the \thesis@selectLocale{	@winter locale macros were re-
which acts as a replacement	named to @spring and @fall.
for \def\thesis@locale{},	The \thesis@parseDate now
which also switches hyphen-	uses more realistic month
ation patterns. The macro	ranges to set \thesis@season
definitions inside locale files	and \thesis@academicYear. Re-
are now global to account for	moved the extraneous indent in
the fact that it now makes	the \thesis@blocks@declaration
sense to include locale files	macro definition within the
on-site (and therefore possi-	style/mu/fithesis-fi.sty
bly inside a group) using the	style file. \paragraphs are not
\thesis@selectLocale. The	included in the table of con-
class files are now generated	tents by default. The table
using the XeTeX engine, which	class option now supports
preserves the characters outside	the tabu environment. The
ASCII. [VN] 209	list of tables and the list of
v0.3.20	figures now have an entry in
General: Removed an extraneous	the table of contents for the
\hypersetup option to elimi-	style/mu/fithesis-econ.sty
nate a warning. Performed sev-	style file. [VN] 209
eral minor Makefile updates.	v0.3.25
Updated the technical docu-	General: The example documents
mentation. [VN] 209	from the example directory
v0.3.21	are now a part of the CTAN
	archive. Additional information
General: Fixed an invalid font name.	were inserted into the guide
[VN] 209	and to the example files. [VN] 209
v0.3.22	v0.3.26
General: Updated the link colors in	General: Updated the example doc-
the style of the Faculty of Eco-	uments and the user guide.
nomics and Administration at	Fixed a typo in the description
the Masaryk University in Brno	of \thesis@season. $[VN]$ 209
and fixed the title page leading	v0.3.27:1
in the style of the Faculty of Sci-	General: Fixed a typo in the guide.
ence at the Masaryk University	Added a compatibility layer
in Brno. [VN] 209	for \title, \author, and

\maketitle. Minor changes of	microtype package. The
the documentation. [VN] 209	\thesis@require command
v0.3.27:2	now also takes an optional ar-
General: \thesis@selectLocale	gument and the \thesis@require-
is no longer performed glob-	WithOption command has
ally for the entire document	become \thesis@require-
during \thesis@load (effec-	IfExists. [VN] 209
tively overriding the user's hy-	v0.3.28:2
phenation settings, if Babel's	General: If the thesis locale and the
or Polyglossia's \languagename	document locale is the same
differs from \thesis@locale).	(the default behaviour), the
<pre>Instead, \thesis@preamble</pre>	\thesis@selectLocale macro
and @postamble now locally	is applied globally at the begin-
switch the locale and expand	ning of the document. As a re-
\thesis@blocks@preamble	sult, the csquotes style is auto-
and @postamble, which are	matically set for the entire docu-
the new redefinables. Since	ment. [VN] 209
this breaks the behaviour of	v0.3.29:1
\thesis@blocks@mainMatter,	General: The initial pages of the
whose effects would also	styles of the Masaryk Univer-
be local, @mainMatter is	sity in Brno are no longer page-
now executed directly by	numbered, so that hyperref
\thesis@preamble after clos-	links work correctly. [VN] 209
ing the group and becomes a	v0.3.29:2
new part of the interface be-	General: The printed and digital
tween the class and the style	class options, which set all the
files. [VN] 209	options appropriate for either
v0.3.27:3	the printed or the digital ver-
General: As a preparation for the	sions of a document, are now
future inclusion of bibliography	available for the style files of
support, the csquotes package is loaded, @csquotesStyle is a	the Masaryk University in Brno.
new part of the locale interface	[VN] 209
that sets the csquotes style of a	v0.3.29:3
locale, and \thesis@selectLocale	General: The table class option for
now switches the csquotes style.	the style files of the Masaryk
[VN]209	University in Brno now loads
v0.3.27:4	all the required packages and
General: \thesis@english@declaration	changes the table measure-
now uses the correct idiom (by	ments even when the color op-
one's own \rightarrow on one's own).	tion is not specified. [VN] 209
[VN] 209	v0.3.30
v0.3.27:5	General: The \thesis@seasonYear
General: The PDF bookmarks are	macro has been added, which,
no longer garbled, when the	unlike \thesis@year takes into
LuaT _E X engine is used. [VN] . 209	account the fact that January
v0.3.28:1	and Fabruary of the year n still
General: The draft option has	belong to the fall semester of
no longer an effect on the	the year $n - 1$ 209