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.

Contents

1	Req	Required classes and packages 178				
2	Pub	lic API		178		
	2.1	Option	ns	178		
	2.2	_	thesissetup macro			
		2.2.1	The basePath key	179		
		2.2.2	The logoPath key	179		
		2.2.3	The stylePath key	179		
		2.2.4	The localePath key			
		2.2.5	The declaration key			
		2.2.6	The gender key			
		2.2.7	The author key			
		2.2.8	The id key			
		2.2.9	The type key			
		2.2.10	The university key			
		2.2.11	The faculty key			
		2.2.12	The department key			
		2.2.13	The departmentEn key			
		2.2.14	The programme key			
		2.2.15	The programmeEn key			
		2.2.16	The field key			
		2.2.17	The fieldEn key			

		2.2.18	The univ	versityLogo key	. 185
		2.2.19	The fact	ultyLogo key	. 185
		2.2.20	The sty	le key	. 185
		2.2.21		leInheritance key	
		2.2.22		ale key	
		2.2.23	The loca	aleInheritance key	. 186
		2.2.24	The date	e key	. 187
		2.2.25		ce key	
		2.2.26	The tit	le key	. 188
		2.2.27	The TeX	title key	. 188
		2.2.28		leEn key	
		2.2.29		titleEn key	
		2.2.30		words key	
		2.2.31		keywords key	
		2.2.32		wordsEn key	
		2.2.33		keywordsEnkey	
		2.2.34	The abs	tract key	. 190
		2.2.35	The abs	tractEn key	. 190
		2.2.36		isor key	
		2.2.37		nks key	
		2.2.38	The ass:	ignment key	. 191
		2.2.39	The auto	oLayout key	. 191
	2.3	The \t	thesislor	ng macro	. 191
3	Priv	ate AP	ı		192
	3.1				
	3.2			on macros	
	3.3			ation macros	
	3.4			se macros	
	3.5				
	0.0			2	
		3.5.2		locale files	
			3.5.2.1	The locale/fithesis-english.def file	
			3.5.2.2	The locale/mu/fithesis-english.def file	
			3.5.2.3	The locale/mu/law/fithesis-english.def file.	
			3.5.2.4	The locale/mu/fsps/fithesis-english.def file	
			3.5.2.5	The locale/mu/fss/fithesis-english.def file.	
			3.5.2.6	The locale/mu/econ/fithesis-english.def file	
			3.5.2.7	The locale/mu/med/fithesis-english.def file.	
			3.5.2.8	The locale/mu/fi/fithesis-english.def file .	
			3.5.2.9	The locale/mu/phil/fithesis-english.def file	
			3.5.2.10	The locale/mu/ped/fithesis-english.def file.	
			3.5.2.11	The locale/mu/sci/fithesis-english.def file.	
		3.5.3		ocale files	
		0.0.0	3.5.3.1	The locale/fithesis-czech.def file	
			3532	The locale/mu/fithesis-czech def file	

		3.5.3.3	The locale/mu/law/fithesis-czech.def file	202
		3.5.3.4	The locale/mu/fsps/fithesis-czech.def file	203
		3.5.3.5	The locale/mu/fss/fithesis-czech.def file	
		3.5.3.6	The locale/mu/econ/fithesis-czech.def file	203
		3.5.3.7	The locale/mu/med/fithesis-czech.def file	203
		3.5.3.8	The locale/mu/fi/fithesis-czech.def file	204
		3.5.3.9	The locale/mu/phil/fithesis-czech.def file	
		3.5.3.10	The locale/mu/ped/fithesis-czech.def file	
		3.5.3.11	The locale/mu/sci/fithesis-czech.def file	
	3.5.4	Slovak lo	ocale files	206
		3.5.4.1	The locale/fithesis-slovak.def file	206
		3.5.4.2	The locale/mu/fithesis-slovak.def file	207
		3.5.4.3	The locale/mu/law/fithesis-slovak.def file	208
		3.5.4.4	The locale/mu/fsps/fithesis-slovak.def file	
		3.5.4.5	The locale/mu/fss/fithesis-slovak.def file	
		3.5.4.6	The locale/mu/econ/fithesis-slovak.def file	
		3.5.4.7	The locale/mu/med/fithesis-slovak.def file	
		3.5.4.8	The locale/mu/fi/fithesis-slovak.def file	
		3.5.4.9	The locale/mu/phil/fithesis-slovak.def file	
			The locale/mu/ped/fithesis-slovak.def file	
			The locale/mu/sci/fithesis-slovak.def file	
3.6	Style f			
	3.6.1			
	3.6.2		e files	
			The style/fithesis-base.sty file	
		3.6.2.2	The style/mu/fithesis-base.sty file	
		3.6.2.3	The style/mu/fithesis-10.clo file	
		3.6.2.4	The style/mu/fithesis-11.clo file	
		3.6.2.5	The style/mu/fithesis-12.clo file	
	3.6.3	The style	files of the Faculty of Informatics	
		3.6.3.1	The style/mu/fithesis-fi.sty file	
	3.6.4	The style	files of the Faculty of Science	
		3.6.4.1	The style/mu/fithesis-sci.sty file	
	3.6.5	The style	files of the Faculty of Arts	
		3.6.5.1	The style/mu/fithesis-phil.sty file	
	3.6.6	The style	files of the Faculty of Education	
			The style/mu/fithesis-ped.sty file	
	3.6.7		files of the Faculty of Social Studies	
		3.6.7.1	The style/mu/fithesis-fss.sty file	
	3.6.8	The style	files of the Faculty of Law	
		3.6.8.1	The style/mu/fithesis-law.sty file	
	3.6.9		files of the Faculty of Economics and Administration	
		3.6.9.1	The style/mu/fithesis-econ.sty file	
	3.6.10	The style	files of the Faculty of Medicine	
			The style/mu/fithesis-med.sty file	
	3.6.11		files of the Faculty of Sports Studies	

1 Required classes and packages

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

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

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

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

2 Public API

2.1 Options

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

2.2 The \thesissetup macro

 \t

The main public macro is the $\t eyvals$ command, where $\t eyvals$ 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 Lagrangian when used, the $\t eyvals$ are processed.

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

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

2.2.1 The basePath key

\thesis@basepath

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

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

\thesis@logopath 2.2.2 The logoPath key

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

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

\thesis@stylepath 2.2.3 The stylePath key

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

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

\thesis@localepath 2.2.4 The localePath key

The $\{\langle localePath = path \rangle\}$ pair sets the path containing the locale files. The path is normalized using the \thesis@subdir macro and stored within the

\thesis@localepath macro, whose implicit value is \thesis@basepath followed by locale/. By default, this expands to fithesis/locale/.

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

\thesis@subdir

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

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

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

pand to either «key», if specified, or to «name». The macro serves to provide placeholder strings for macros with no default value.

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

\thesis@declaration 2.2.5 The declaration key

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

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

\ifthesis@woman 2.2.6 The gender key

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

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

\thesis@author 2.2.7 The author key

\thesis@parseAuthor

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

\thesis@author

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

\thesis@author@tail

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

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

- 85 \def\thesis@author{#1}%
- \def\thesis@author@head{\expandafter\expandafter\expandafter%

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

\thesis@id 2.2.8 The id key

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

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

\thesis@type 2.2.9 The type key

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

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

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

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

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

\thesis@university 2.2.10 The university key

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

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

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

\thesis@faculty 2.2.11 The faculty key

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

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

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

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

\thesis@department 2.2.12 The department key

The {\department=name\} pair sets the name of the department, at which the thesis is being written, to name. Unlike the university and faculty identifiers, the department name is only used for typesetting and it should therefore be specified in plain language with optional TeX macros. The name is stored within the \thesis@department macro.

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

\thesis@departmentEn 2.2.13 The departmentEn key

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

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

\thesis@programme 2.2.14 The programme key

The $\{\langle programme = name \rangle\}$ pair sets the name of the author's study programme to name. Unlike the university and faculty identifiers, the programme name is only used for typesetting and it should therefore be specified in plain language with optional TeX macros. The *name* is stored within the \thesis@programme macro.

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

\thesis@programmeEn 2.2.15 The programmeEn key

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

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

\thesis@field 2.2.16 The field key

The $\{\langle \text{field} = name \rangle\}$ pair sets the name of the author's field of study to name. Unlike the university and faculty identifiers, the name of the field of study is only used for typesetting and it should therefore be specified in plain language with optional TEX macros. The *name* is stored within the \thesis@field macro.

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

\thesis@fieldEn 2.2.17 The fieldEn key

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

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

\thesis@universityLogo 2.2.18 The universityLogo key

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

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

\thesis@facultyLogo 2.2.19 The facultyLogo key

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

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

\thesis@style 2.2.20 The style key

The {\style=filename\} pair sets the filename of the style file to be used to filename. The filename is stored within the \thesis@style macro, whose implicit value is \thesis@university/fithesis-\thesis@faculty. When the filename is an empty token string, no style files will be loaded during the main routine (see Section 3.1).

```
134 \ensuremath{\mbox{\mbox{$134$}}} the sis@style {\mbox{\mbox{\mbox{$136$}}} the sis@faculty}
135 \define@key{thesis}{style}{%
136 \def\thesis@style{#1}}
```

\thesis@style@inheritance

2.2.21 The styleInheritance key

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

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

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

\thesis@locale 2.2.22 The locale key

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

\ifthesis@english

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

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

\thesis@locale@inheritance

2.2.23 The localeInheritance key

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

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

2.2.24 The date key

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

\thesis@parseDate

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

\thesis@date

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

\thesis@academicYear

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

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

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

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

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

```
202 \def\thesis@place{Brno}
203 \define@key{thesis}{place}{%
204 \def\thesis@place{#1}}
```

\thesis@title 2.2.26 The title key

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

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

\thesis@TeXtitle 2.2.27 The TeXtitle key

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

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

\thesis@titleEn 2.2.28 The titleEn key

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

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

\thesis@TeXtitleEn 2.2.29 The TeXtitleEn key

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

```
{\tt 214 \backslash def \backslash thesis@TeXtitleEn \{ \backslash thesis@titleEn \}}
215 \define@key{thesis}{TeXtitleEn}{%
216 \def\thesis@TeXtitleEn{#1}}
```

\thesis@keywords 2.2.30 The keywords key

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

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

\thesis@TeXkeywords 2.2.31 The TeXkeywords key

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

```
220 \def\thesis@TeXkeywords{\thesis@keywords}
221 \define@key{thesis}{TeXkeywords}{%
222 \def\thesis@TeXkeywords{#1}}
```

\thesis@keywordsEn 2.2.32 The keywordsEn key

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

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

\thesis@TeXkeywordsEn 2.2.33 The TeXkeywordsEn key

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

```
226 \def\thesis@TeXkeywordsEn{\thesis@keywordsEn}
227 \define@key{thesis}{TeXkeywordsEn}{%
228 \def\thesis@TeXkeywordsEn{#1}}
```

\thesis@abstract 2.2.34 The abstract key

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

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

\thesis@abstractEn 2.2.35 The abstractEn key

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

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

\thesis@advisor 2.2.36 The advisor key

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

```
235 \thesis@def{advisor}
236 \define@key{thesis}{advisor}{\def\thesis@advisor{#1}}
```

\thesis@thanks 2.2.37 The thanks key

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

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

\thesis@assignmentFiles 2.2.38 The assignment key

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

```
239 \define@key{thesis}{assignment}{%
240 \def\thesis@assignmentFiles{#1}}
```

\ifthesis@auto 2.2.39 The autoLayout key

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

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

\thesis@preamble \thesis@postamble

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

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

The \thesislong macro

\thesislong

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

- abstract
- abstractEn
- thanks
- declaration

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

3 Private API

3.1 Main routine

\thesis@load

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

\ifthesis@loaded

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

254 \newif\ifthesis@loaded\thesis@loadedfalse

255 \AtEndPreamble{\thesis@load}
```

```
255 \AtEndPreamble{\thesis@loaded\thesis@loaded\talse}
256 \def\thesis@loaded\{%}
257 \ifthesis@loaded\else%
258 \thesis@loadedtrue
259 \makeatletter%
```

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

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

Consequently, the style files are loaded.

```
263 \ifx\thesis@style\empty\else
264 \thesis@requireStyle{\thesis@style}
265 \fi
```

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

- Title is set to \thesis@title.
- Author is set to \thesis@author.
- Keywords is set to \thesis@keywords.
- Creator is set to 2015/06/27 v0.3.19 fithesis3 MU thesis class.

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

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

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

\thesis@pages

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

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

File manipulation macros

\thesis@exists

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

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

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

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

\thesis@require

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

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

\thesis@requireWithOptions

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

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

\thesis@requireStyle

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

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

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

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

\thesis@requireLocale

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

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

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

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

3.3 String manipulation macros

\thesis@

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

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

\thesis@@

The \thesis@0{ $\langle name \rangle$ } macro expands to \thesis@locale@name, where locale corresponds to the name of the current locale. The name gets fully expanded and can therefore contain active characters and command sequences.

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

\thesis@lower
\thesis@upper

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

\thesis@@lower
\thesis@@upper

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

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

\thesis@head
\thesis@tail

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

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

3.4 General purpose macros

\thesis@pages

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

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

\thesis@selectLocale

\file

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

342 \def\thesis@selectLocale#1{%

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

3.5 Locale files

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

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

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

3.5.1 Interface

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

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

- \thesis@locale@idTitle The title of the thesis author's identifier field
- \thesis@locale@winter The name of the winter semester
- \thesis@locale@summer The name of the summer semester
- \thesis@locale@semester The full name of the current semester
- \thesis@locale@typeName The name of the thesis type

where *locale* is the name of the locale.

3.5.2 English locale files

3.5.2.1 The locale/fithesis-english.def file

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

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

3.5.2.2 The locale/mu/fithesis-english.def file

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

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

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

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

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

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

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

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

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

This is the English locale file specific to the Faculty of Social Studies at the Masaryk University in Brno. It replaces the facultyName and assignment strings with the correct values.

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

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

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

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

```
\label{locale-mu-econ-fithesis-english.def} $$ 409 \Pr \end{substitute} $$ 410 \end{substitute} $$ 410 \end{substitute} $$ and $$ Administration $$ $$
```

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

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

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

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

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

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

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

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

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

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

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

3.5.2.10 The locale/mu/ped/fithesis-english.def file

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

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

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

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

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

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

3.5.3 Czech locale files

3.5.3.1 The locale/fithesis-czech.def file

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

\thesis@czech@gender@koncovka

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

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

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

3.5.3.2 The locale/mu/fithesis-czech.def file

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

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

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

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

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

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

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

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

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

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

This is the Czech locale file specific to the Faculty of Social Studies at the Masaryk University in Brno. It replaces the facultyName and assignment placeholders with the correct values.

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

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

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

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

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

This is the Czech locale file specific to the Faculty of Medicine at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value and redefines the abstractTitle string in accordance with the common usage at the faculty. The file also defines the bib@title and bib@pages

strings required by the \thesis@blocks@bibEntry block defined within the style/mu/fithesis-med.sty style file.

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

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

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

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

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

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

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

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

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

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

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

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

This is the Czech locale file specific to the Faculty of Science at the Masaryk University in Brno. It defines the private macros required by the \thesis@blocks@bibEntry block defined within the style/mu/fithesis-sci.sty style file. It also

replaces the facultyName placeholder with the correct value and redefines the abstractTitle and declaration strings in accordance with the formal requirements of the faculty.

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

3.5.4 Slovak locale files

3.5.4.1 The locale/fithesis-slovak.def file

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

\thesis@slovak@gender@koncovka

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

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

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

3.5.4.2 The locale/mu/fithesis-slovak.def file

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

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

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

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

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

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

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

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

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

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

This is the Slovak locale file specific to the Faculty of Social Studies at the Masaryk University in Brno. It replaces the facultyName and assignment strings with the correct values.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

```
798 \ProvidesFile{fithesis/locale/mu/sci/fithesis-slovak.def}[2015/06/26]
799
800 % Zástupné texty
801 \gdef\thesis@slovak@facultyName{Prírodovedecká fakulta}
```

3.6 Style files

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

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

3.6.1 Interface

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

\thesis@preamble

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

 \t

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

211

3.6.2 Base style files

3.6.2.1 The style/fithesis-base.sty file

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

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

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

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

```
804 \ProvidesPackage{fithesis/style/mu/fithesis-base}[2015/06/27] <math display="inline">805 \NeedsTeXFormat{LaTeX2e}
```

The file recognizes the following options:

- 10pt, 11pt, 12pt Sets the type size to 10, 11 or 12 points respectively.
- oneside, twoside The document is going to be either single- or 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@

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

\ifthesis@palatino@

• palatino, nopalatino – The default roman and math font family is going to be either set to Palatino or left untouched, respectively. The \ifthesis@ palatino@ conditional is set to either true or false, respectively. The Palatino font is a part of the visual identity of the Faculty of Informatics at which the document class was created.

\ifthesis@color@

color, monochrome – Certain typographical elements either are or aren't going to be typeset in color, respectively. The \ifthesis@color@ conditional is set to either true or false, respectively.

\ifthesis@newtable@

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

conditional is set to either true or false, respectively.

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

\thesis@blocks@tables

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

\thesis@blocks@tables

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

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

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

These are the default options:

```
834 \ExecuteOptions{12pt,twoside,final,monochrome,palatino,
835 oldtable,lot,lof,nocover}
836 \ProcessOptions
```

The file loads the following packages:

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

```
837 \thesis@require{xcolor}
838 \thesis@require{graphicx}
839 \thesis@require{pdfpages}
840 \thesis@require{keyval}
841 \thesis@require{ifxetex}
842 \thesis@require{ifluatex}
```

\ifthesis@xeluatex

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

```
843 {\let\x\expandafter

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

845 \ifxetex true\else

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

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

848 \fi

849 \fi\endcsname}
```

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Clubs and widows are set to be infinitely bad.

```
897\widowpenalty 10000
898\clubpenalty 10000
```

\thesis@color@setup

The file defines the $\text{ hesis@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.$

```
899 \def\thesis@color@setup#1{%
900 \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 x environments under the name thesis@color@tableOdd.
- 3. $\{\langle tableEven=color \rangle\}$ Stores the color of the even rows of the redefined tabular and tabular environments under the name thesis@color@tableEven.

4. {\tableEmph=color\} - 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.

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

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

\thesis@blocks@frontMatter

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

```
910 \def\thesis@blocks@frontMatter{%
911 \thesis@blocks@clear
912 \pagestyle{plain}
913 \parindent 1.5em
914 \setcounter{page}{1}
915 \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.

```
916 \def\thesis@blocks@clear{%
917 \ifthesis@twoside@%
918 \clearpage%
919 \thispagestyle{empty}%
920 \cleardoublepage%
921 \else%
922 \newpage%
923 \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.

```
924 \def\thesis@blocks@clearRight{%
925 \ifthesis@twoside@%
      \clearpage%
926
      \ifodd\value{page}%
927
        \thispagestyle{empty}%
        \hbox{}%
929
930
         \newpage%
931
      \fi%
932
    \else%
933
      \newpage%
    \fi}
934
```

s@blocks@facultyLogo@monochrome

The $\text{\text{$\text{\tex

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

thesis@blocks@facultyLogo@color

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

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

locks@universityLogo@monochrome

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

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

sis@blocks@universityLogo@color

The \thesis@blocks@universityLogo@color[\(\langle options \rangle \)] 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.

\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.

```
953 \def\thesis@blocks@cover{%
954 \ifthesis@cover@%
```

```
\thesis@blocks@clear%
955
       \ifthesis@twoside@\@twosidefalse\fi % Temporarily disable twoside
956
957
       \begin{alwayssingle}%
958
         \thispagestyle{empty}%
         \begin{center}%
959
960
           \thesis@blocks@cover@header%
961
           \thesis@blocks@facultyLogo@monochrome\\[0.4in]%
962
           \let\footnotesize\small%
           \let\footnoterule\relax{}%
963
           \thesis@blocks@cover@content%
964
           \par\vfill%
965
           \thesis@blocks@cover@footer%
966
         \end{center}%
       \end{alwayssingle}%
969
       \ifthesis@twoside@\@twosidetrue\fi % Re-enable twoside
970
```

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

- \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.

```
971 \newif\ifthesis@blocks@cover@university@
972 \thesis@blocks@cover@university@true
973 \newif\ifthesis@blocks@cover@faculty@
974 \thesis@blocks@cover@faculty@true
975 \newif\ifthesis@blocks@cover@department@
976 \thesis@blocks@cover@department@false
977 \newif\ifthesis@blocks@cover@field@
978 \thesis@blocks@cover@field@false
979
980 \def\thesis@blocks@cover@header{%
981 {\sc\ifthesis@blocks@cover@university@%
```

```
\thesis@titlePage@LARGE\thesis@@{universityName}\\%
982
     \fi\ifthesis@blocks@cover@faculty@%
983
           \thesis@titlePage@Large\thesis@@{facultyName}\\%
984
     \fi\ifthesis@blocks@cover@department@%
985
           \thesis@titlePage@large\thesis@department\\%
986
987
        \fi}
988
    \ifthesis@blocks@cover@field@%
      {\thesis@titlePage@large\vskip 1em%
989
        {\bf\thesis@@{fieldTitle}:} \thesis@field}%
990
991 \fi\vskip 2em}
992 \def\thesis@blocks@cover@content{%
993 {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}%
    \vskip 0.8in%
    {\thesis@titlePage@large\sc\thesis@@{typeName}}\\[0.3in]%
996 {\thesis@titlePage@Large\bf\thesis@author}}
997 \def\thesis@blocks@cover@footer{%
998 {\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.

```
999 \def\thesis@blocks@titlePage{%
1000
       \thesis@blocks@clear%
1001
       \begin{alwayssingle}%
          \thispagestyle{empty}%
1002
1003
          \begin{center}%
            \thesis@blocks@titlePage@header%
1004
            \thesis@blocks@facultyLogo@color\\[0.4in]%
1005
            \let\footnotesize\small%
1006
1007
            \let\footnoterule\relax{}%
            \thesis@blocks@titlePage@content%
1008
            \par\vfill%
1009
            \thesis@blocks@titlePage@footer%
1010
1011
          \end{center}%
1012
       \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.
- $3. \ \text{ifthesis@blocks@titlePage@department@} This conditional expression$ 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.

```
1013 \newif\ifthesis@blocks@titlePage@university@
1014 \thesis@blocks@titlePage@university@true
{\tt 1015 \ \ lee} if the sis@blocks@titlePage@faculty@
1016 \thesis@blocks@titlePage@faculty@true
1017 \newif\ifthesis@blocks@titlePage@department@
1018 \thesis@blocks@titlePage@department@false
1019 \newif\ifthesis@blocks@titlePage@field@
1020 \thesis@blocks@titlePage@field@false
1021
1022 \def\thesis@blocks@titlePage@header{%
1023 {\sc\ifthesis@blocks@titlePage@university@%
                                  1024
                  \fi\ifthesis@blocks@titlePage@faculty@%
1025
                                  \thesis@titlePage@Large\thesis@@{facultyName}\\%
1026
1027
                  \fi\ifthesis@blocks@titlePage@department@%
                                 \thesis@titlePage@large\thesis@department\\%
1028
1029
               \ifthesis@blocks@titlePage@field@%
1030
                      {\thesis@titlePage@large\vskip 1em%
1031
1032
                            {\bf\thesis@@{fieldTitle}:} \thesis@field}%
1033 \fi\vskip 2em}
1034 \let\thesis@blocks@titlePage@content=\thesis@blocks@cover@content
{\tt 1035 \ let \ thesis@blocks@titlePage@footer=\ thesis@blocks@cover@footer=\ thesis@cover@footer=\ the
```

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

```
1036 \def\thesis@blocks@tables{%
1037 \thesis@blocks@clear%
1038 \tableofcontents%
1039
     \thesis@blocks@lot%
     \thesis@blocks@lof}
```

\thesis@blocks@declaration

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

1041 \def\thesis@blocks@declaration{%

```
\thesis@blocks@clear%
                            1042
                                 \begin{alwayssingle}%
                            1043
                                   \chapter*{\thesis@@{declarationTitle}}%
                            1044
                                   \thesis@declaration%
                            1045
                                   \vskip 2cm%
                            1046
                            1047
                                   \hfill\thesis@author%
                            1048
                                 \end{alwayssingle}}
    \thesis@blocks@thanks
                            The \thesis@blocks@thanks macro typesets the acknowledgement, if the \thesis@thanks
                            macro is defined. Otherwise, the macro produces no output.
                            1049 \def\thesis@blocks@thanks{%
                            1050 \ifx\thesis@thanks\undefined\else%
                                   \thesis@blocks@clear%
                            1051
                            1052
                                   \begin{alwayssingle}%
                            1053
                                     \chapter*{\vspace*{\fill}\thesis@@{thanksTitle}}%
                                     \thesis@thanks%
                            1054
                                   \end{alwayssingle}%
                            1055
                            1056
                                 \fi}
                           The \thesis@blocks@abstract macro typesets the abstract.
 \thesis@blocks@abstract
                            1057 \def\thesis@blocks@abstract{%
                                 \begin{alwayssingle}%
                            1059
                                   % Start the new chapter without clearing the right page
                            1060
                                   {\def\cleardoublepage{}
                                   \chapter*{\thesis@@{abstractTitle}}}%
                            1061
                                   \noindent\thesis@abstract%
                            1062
                            1063
                                   \par\vfil\null%
                            1064
                                 \end{alwayssingle}}
                            The \thesis@blocks@abstractEn macro typesets the abstract in English. If the
\thesis@blocks@abstractEn
                            current locale is English, the macro produces no output.
                            1065 \def\thesis@blocks@abstractEn{%
                                 \ifthesis@english\else%
                            1066
                            1067
                                   {\thesis@selectLocale{english}%
                            1068
                                    \begin{alwayssingle}%
                                     % Start the new chapter without clearing the right page
                            1069
                                     {\def\cleardoublepage{}%
                            1070
                                     \chapter*{\thesis@english@abstractTitle}%
                            1071
                            1072
                                     \thesis@abstractEn}%
                            1073
                                     \par\vfil\null%
                            1074
                                   \end{alwayssingle}}%
                            1075
                                 \fi}
                            The \thesis@blocks@keywords macro typesets the keywords.
 \thesis@blocks@keywords
                            1076 \def\thesis@blocks@keywords{%
                                 \begin{alwayssingle}%
                            1077
                                   % Start the new chapter without clearing the right page
                            1078
                            1079
                                   {\def\cleardoublepage{}%
                                   \chapter*{\thesis@@{keywordsTitle}}%
                            1080
```

```
1081 \noindent\thesis@TeXkeywords}%
1082 \par\vfil\null%
1083 \end{alwayssingle}}
```

\thesis@blocks@keywordsEn

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

```
1084 \def\thesis@blocks@keywordsEn{%
     \ifthesis@english\else%
       {\thesis@selectLocale{english}%
1086
        \begin{alwayssingle}%
1087
         % Start the new chapter without clearing the right page
1088
         {\def\cleardoublepage{}%
1089
         \chapter*{\thesis@english@keywordsTitle}%
1090
         \thesis@TeXkeywordsEn}%
1091
1092
         \par\vfil\null%
1093
       \end{alwayssingle}}%
1094 \fi}
```

\thesis@blocks@assignment

ent 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.

```
1095 \newif\ifthesis@blocks@assignment@
1096 \thesis@blocks@assignment@true
1097 \def\thesis@blocks@assignment{%
     \ifthesis@blocks@assignment@%
1098
       \ifx\thesis@assignmentFiles\undefined%
1099
          % Typeset a placeholder page.
1100
          \thesis@blocks@clear%
1101
          \begin{alwayssingle}%
1102
            \thispagestyle{empty}%
1103
            \addtocounter{page}{-\ifthesis@twoside@2\else1\fi}%
1104
            \noindent\textit{\thesis@@{assignment}}%
1105
          \end{alwayssingle}%
1106
       \else%
1107
          {\edef\@pdfList{\thesis@assignmentFiles}%
1108
1109
          \ifx\@pdfList\empty\else
1110
            \let\ea\expandafter
```

```
% Inject the specified PDF documents.
1111
            \def\@inject##1,{\thesis@blocks@clear
1112
              \def\@args{##1}\def\@relax{\relax}%
1113
              \ifx\@args\@relax\else%
1114
                % Trim leading spaces.
1115
1116
                \edef\@trimmed{\romannumeral-'\.##1}%
1117
                \includepdf[pages=-]\@trimmed
1118
                \ea\@inject\fi}%
            \ea\@inject\@pdfList,\relax,%
1119
         \fi}%
1120
       \fi%
1121
1122
     \fi}
```

\thesis@blocks@mainMatter

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

```
1123 \def\thesis@blocks@mainMatter{%
1124 \thesis@blocks@clear
1125 \setcounter{page}{1}
1126 \pagenumbering{arabic}
1127 \pagestyle{thesisheadings}
1128 \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.

```
1129% Table of contents will contain sectioning commands up to
1130% \subsubsection
1131 \setcounter{tocdepth}{4}
1133 % Load the 'fithesis-1*.clo' size option
1134 \input\thesis@stylepath mu/fithesis-1\thesis@ptsize.clo\relax
1136 \def\ps@thesisheadings{%
1137 \def\chaptermark##1{%
1138 \markright{%
1139 \ifnum\c@secnumdepth >\m@ne
1140 \thechapter.\ %
1141 \fi ##1}}
1142 \let\@oddfoot\@empty
1143 \let\@oddhead\@empty
1144 \def\@oddhead{\vbox{\hbox to \textwidth{%
1145 \hfil{\sc\rightmark}}\vskip 4pt\hrule}}
1146 \if@twoside
1147 \def\@evenhead{\vbox{\hbox to \textwidth{%
1148 {\sc\rightmark}\hfil}\vskip 4pt\hrule}}
1149 \else
1150 \let\@evenhead\@oddhead
```

```
1152 \def\@oddfoot{\hfil\PageFont\thepage}
1153 \if@twoside
1154 \def\@evenfoot{\PageFont\thepage\hfil}%
1155 \else
1156 \let\@evenfoot\@oddfoot
1157 \fi
1158 \let\@mkboth\markboth
1159 }
1160
1161% Redefines the style of the chapter headings
1162 \renewcommand*\chapter{%
1163 \if@twoside
1164 \clearpage
1165 \thispagestyle{empty}
1166 \cleardoublepage
1167 \else
1168 \clearpage
1169 \fi
1170 \thispagestyle{plain}%
1171 \global\@topnum\z@
1172 \@afterindentfalse
1173 \secdef\@chapter\@schapter}
1174
1175% Redefines the style of part headings
1176 \renewcommand*\part{%
1177 \clearpage
1178 \thispagestyle{empty}
1179 \cleardoublepage
1180 \thispagestyle{empty}%
1181 \if@twocolumn%
1182 \onecolumn
1183 \@tempswatrue
1184 \else
1185 \@tempswafalse
1186 \fi
1187 \hbox{}\vfil
1188 \secdef\@part\@spart}
1189
1190 \newif\if@restonecol
1191 \def\alwayssingle{%
1192 \@restonecolfalse\if@twocolumn\@restonecoltrue\onecolumn\fi}
1193 \def\endalwayssingle{\if@restonecol\twocolumn\fi}
1195 \renewcommand*\l@part[2]{%
1196 \ifnum \c@tocdepth >-2\relax
1197
       \addpenalty{-\@highpenalty}%
       \addvspace{0.5em \@plus\p@}%
1198
1199
       \begingroup
          \setlength\@tempdima{3em}%
1200
```

```
\parindent \z@ \rightskip \@pnumwidth
1201
                                               \parfillskip -\@pnumwidth
1202
                                               {\leavevmode
1203
                                                    1204
                                                    \nobreak
1205
1206
                                                              \global\@nobreaktrue
1207
                                                             \everypar{\global\@nobreakfalse\everypar{}}%
1208
                                     \endgroup
                                     \addvspace{0.2em \@plus\p@}%
1209
                          \fi}
1210
1211
1212 \renewcommand*\l@chapter[2]{%
                   \ifnum \c@tocdepth >\m@ne
                                    \addpenalty{-\@highpenalty}%
1214
                                    \vskip 1.0em \@plus\p@
1215
                                    \setlength\@tempdima{1.5em}%
1216
                                    \begingroup
1217
                                               \parindent \z@ \rightskip \@pnumwidth
1218
1219
                                               \parfillskip -\@pnumwidth
1220
                                               \leavevmode \bfseries
                                               \advance\leftskip\@tempdima
1221
1222
                                               \hskip -\leftskip
                                              #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1223
                                              \penalty\@highpenalty
1224
1225
                                     \endgroup
1226
                          \fi}
1227
1228 \renewcommand*\l@chapter{\@dottedtocline{1}{0em}{1.5em}}
1229 \mbox{ } 
1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ } 1231 \mbox{ }
```

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.

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

```
1246 \abovedisplayshortskip \z@ plus2\p@
1247 \belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
1248 \def\@listi{\leftmargin\leftmargini
1249 \topsep 4\p@ plus2\p@ minus2\p@\parsep 2\p@ plus\p@ minus\p@
1250 \itemsep \parsep}}
1252 \renewcommand{\footnotesize}{\fontsize\@viiipt{9.5}\selectfont%
1253 \abovedisplayskip 6\p@ plus2\p@ minus4\p@
1254 \belowdisplayskip \abovedisplayskip
1255 \abovedisplayshortskip \z@ plus\p@
1256 \belowdisplayshortskip 3\p@ plus\p@ minus2\p@
1257 \def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
1258 \topsep 3\p@ plus\p@ minus\p@\parsep 2\p@ plus\p@ minus\p@
1259 \itemsep \parsep}}
1260
1261 \renewcommand{\scriptsize}{\fontsize\@viipt{8pt}\selectfont}
1263 \renewcommand{\large}{\fontsize\@xiipt{14pt}\selectfont}
1264 \renewcommand{\Large}{\fontsize\@xivpt{18pt}\selectfont}
1265 \renewcommand{\LARGE}{\fontsize\@xviipt{22pt}\selectfont}
1266 \renewcommand{\huge}{\fontsize\@xxpt{25pt}\selectfont}
1267 \renewcommand{\Huge}{\fontsize\@xxvpt{30pt}\selectfont}
1268
1269 (/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.

```
1270 (*11pt)
1271 \ProvidesFile{fithesis/style/mu/fithesis-11.clo}[2015/06/23]
1273 \renewcommand{\normalsize}{\fontsize\@xipt{14}\selectfont%
1274 \abovedisplayskip 11\p@ plus3\p@ minus6\p@
1275 \belowdisplayskip \abovedisplayskip
1276 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1277 %\abovedisplayshortskip \z@ plus3\@p
1278 \let\@listi\@listI}
1279
1280 \mbox{ } 
1281 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1282 \belowdisplayskip \abovedisplayskip
1283 \abovedisplayshortskip \z@ plus3\p@
1284 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1285 \def\@listi{\leftmargin\leftmargini
1286 \topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
1287 \itemsep \parsep}}
1289 \renewcommand{\footnotesize}{\fontsize\@ixpt{11}\selectfont%
1290 \abovedisplayskip 8\p@ plus2\p@ minus4\p@
```

```
1291 \belowdisplayskip \abovedisplayskip
1292 \abovedisplayshortskip \z@ plus\p@
1293 \belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
1294 \def\@listi{\leftmargin\leftmargini}
1295 \topsep 4\p@ plus2\p@ minus2\p@\parsep 2\p@ plus\p@ minus\p@
1296 \itemsep \parsep}}
1297
1298 \renewcommand{\scriptsize}{\fontsize\@viiipt{9.5pt}\selectfont}
1299 \renewcommand{\\tiny}{\fontsize\@vipt{7pt}\selectfont}
1300 \renewcommand{\large}{\fontsize\@xiipt{14pt}\selectfont}
1301 \renewcommand{\Large}{\fontsize\@xivpt{18pt}\selectfont}
1302 \renewcommand{\Large}{\fontsize\@xviipt{22pt}\selectfont}
1303 \renewcommand{\huge}{\fontsize\@xxvpt{30pt}\selectfont}
1304 \renewcommand{\Huge}{\fontsize\@xxvpt{30pt}\selectfont}
1305
1306 \( /\formalfontsize\@xxvpt{30pt}\selectfont\)
```

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

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

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

```
1314 \abovedisplayshortskip \z@ plus3\p@
1315 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1316 \let\@listi\@listI}
1317
1318 \def\thesis@titlePage@small{\fontsize\@xipt{13.6}\selectfont%
1319 \abovedisplayskip 11\p@ plus3\p@ minus6\p@
1320 \belowdisplayskip \abovedisplayskip
1321 \abovedisplayshortskip \z@ plus3\p@
1322 \belowdisplayshortskip 6.5\p0\p0 plus3.5\p0\p0 minus3\p0\p0
1323 \def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
1324 \parsep 4.5\p@ plus2\p@ minus\p@
1325
               \itemsep \parsep
1326
               \topsep 9\p@ plus3\p@ minus5\p@}}
1327
1328 \def\thesis@titlePage@footnotesize{\fontsize\@xpt{12}\selectfont%
1329 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1330 \belowdisplayskip \abovedisplayskip
1331 \abovedisplayshortskip \z@ plus3\p@
1332 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1333 \def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
1334 \topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
1335 \itemsep \parsep}}
1337 \def\thesis@titlePage@scriptsize{\fontsize\@viiipt{9.5pt}\selectfont}
1338 \def\thesis@titlePage@tiny{\fontsize\@vipt{7pt}\selectfont}
1339 \def\thesis@titlePage@large{\fontsize\@xivpt{18pt}\selectfont}
1340 \def\thesis@titlePage@Large{\fontsize\@xviipt{22pt}\selectfont}
1341 \def\thesis@titlePage@LARGE{\fontsize\@xxpt{25pt}\selectfont}
1343 \def\thesis@titlePage@Huge{\fontsize\@xxvpt{30pt}\selectfont}
1344
1345 (*12pt)
1346 \renewcommand{\normalsize}{\thesis@titlePage@normalsize}
1347 \renewcommand{\small}{\thesis@titlePage@small}
1348 \renewcommand{\footnotesize}{\thesis@titlePage@footnotesize}
1349 \renewcommand{\scriptsize}{\thesis@titlePage@scriptsize}
1350 \renewcommand{\tiny}{\thesis@titlePage@tiny}
1351 \renewcommand{\large}{\thesis@titlePage@large}
1352 \renewcommand{\Large}{\thesis@titlePage@Large}
1353 \renewcommand{\LARGE}{\thesis@titlePage@LARGE}
1354 \renewcommand{\huge}{\thesis@titlePage@huge}
1355 \renewcommand{\Huge}{\thesis@titlePage@Huge}
1356 (/12pt)
1357 \let\@normalsize\normalsize
1358 \normalsize
1359
1360 \if@twoside
1361
      \oddsidemargin 0.75in
      \evensidemargin 0.4in
1362
      \marginparwidth 0pt
1363
```

```
1364 \else
1365
       \oddsidemargin 0.75in
1366
       \evensidemargin 0.75in
       \marginparwidth 0pt
1367
1368 \fi
1369 \marginparsep 10pt
1371 \topmargin 0.4in
1372
1373 \headheight 20pt
1374 \headsep 10pt
1375 \topskip 10pt
1376 \footskip 30pt
1377
1378 (*10pt)
1379 \textheight = 43\baselineskip
1380 \advance\textheight by \topskip
1381 \textwidth 5.0truein
1382 \columnsep 10pt
1383 \columnseprule 0pt
1385 \footnotesep 6.65pt
1386 \skip\footins 9pt plus 4pt minus 2pt
1387 \floatsep 12pt plus 2pt minus 2pt
1388 \textfloatsep 20pt plus 2pt minus 4pt
1389 \intextsep 12pt plus 2pt minus 2pt
1390 \dblfloatsep 12pt plus 2pt minus 2pt
1391 \dbltextfloatsep 20pt plus 2pt minus 4pt
1392
1393 \@fptop Opt plus 1fil
1394 \@fpsep 8pt plus 2fil
1395 \@fpbot Opt plus 1fil
1396 \@dblfptop 0pt plus 1fil
1397 \@dblfpsep 8pt plus 2fil
1398 \@dblfpbot 0pt plus 1fil
1399 \marginparpush 5pt
1400
1401 \parskip 0pt plus 1pt
1402 \partopsep 2pt plus 1pt minus 1pt
1404 (/10pt)
1405 %
1406 (*11pt)
1407 \textheight = 39\baselineskip
1408 \advance\textheight by \topskip
1409 \textwidth 5.0truein
1410 \columnsep 10pt
1411 \columnseprule 0pt
1412
1413 \footnotesep 7.7pt
```

```
1414 \skip\footins 10pt plus 4pt minus 2pt
1415 \floatsep 12pt plus 2pt minus 2pt
1416 \textfloatsep 20pt plus 2pt minus 4pt
1417 \intextsep 12pt plus 2pt minus 2pt
1418 \dblfloatsep 12pt plus 2pt minus 2pt
1419 \dbltextfloatsep 20pt plus 2pt minus 4pt
1421 \@fptop Opt plus 1fil
1422 \@fpsep 8pt plus 2fil
1423 \@fpbot 0pt plus 1fil
1424 \@dblfptop 0pt plus 1fil
1425 \@dblfpsep 8pt plus 2fil
1426 \@dblfpbot 0pt plus 1fil
1427 \marginparpush 5pt
1428
1429 \parskip Opt plus Opt
1430 \partopsep 3pt plus 1pt minus 2pt
1431
1432 (/11pt)
1433 %
1434 (*12pt)
1435 \textheight = 37\baselineskip
1436 \advance\textheight by \topskip
1437 \textwidth 5.0truein
1438 \columnsep 10pt
1439 \columnseprule 0pt
1441 \footnotesep 8.4pt
1442 \skip\footins 10.8pt plus 4pt minus 2pt
1443 \floatsep 14pt plus 2pt minus 4pt
1444 \textfloatsep 20pt plus 2pt minus 4pt
1445 \intextsep 14pt plus 4pt minus 4pt
1446 \dblfloatsep 14pt plus 2pt minus 4pt
1447 \dbltextfloatsep 20pt plus 2pt minus 4pt
1448
1449 \@fptop Opt plus 1fil
1450 \@fpsep 10pt plus 2fil
1451 \@fpbot Opt plus 1fil
1452 \@dblfptop 0pt plus 1fil
1453 \@dblfpsep 10pt plus 2fil
1454 \@dblfpbot 0pt plus 1fil
1455 \marginparpush 7pt
1456
1457 \parskip Opt plus Opt
1458 \partopsep 3pt plus 2pt minus 2pt
1460 (/12pt)
1461 \@lowpenalty 51
1462 \@medpenalty 151
1463 \@highpenalty 301
```

```
1464 \@beginparpenalty -\@lowpenalty
1465 \@endparpenalty
                                                                 -\@lowpenalty
1466 \@itempenalty
                                                                  -\@lowpenalty
1467
1468 \def\@makechapterhead#1{%
1469
              {%
1470
                       \setlength\parindent{\z@}%
1471
                       \setlength\parskip {\z@}%
                       \ifnum
1472
                             \c@secnumdepth >\m@ne
1473
                             \par\nobreak
1474
                             1475
1476
                      \fi
1477
                       \Large \ChapFont \thechapter{} \space #1\par
1478
                      \nobreak
                      \vskip 20\p@
1479
               }%
1480
1481 }
1482
1483 \def\@makeschapterhead#1{%
1484
                {%
                       \setlength\parindent{\z@}%
1485
                       \space{2.5cm} 
1486
                       \Large \ChapFont #1\par
1487
                       \nobreak
1488
1489
                      \vskip 20\p@
1490
                }%
1491 }
1492
1493 \def\chapter{%
1494
                   \clearpage
1495
                    \thispagestyle{plain}
1496
                    \global\ensuremath{\mbox{\tt Qtopnum}\sl}
1497
                    \@afterindentfalse
1498
                    \secdef\@chapter\@schapter
1499 }
1500
1501 \def\@chapter[#1]#2{%
1502
               \ifnum \c@secnumdepth
1503
                      >\m@ne
1504
                      \refstepcounter{chapter}%
1505
                      \typeout{\@chapapp\space\thechapter.}%
                       \addcontentsline{toc}{chapter}{\protect
1506
                      \numberline{\thechapter}\bfseries #1}
1507
1508
                \else%
1509
                       \addcontentsline{toc}{chapter}{\bfseries #1}
1510
                \chaptermark{#1}%
1511
                \addtocontents{lof}%
1512
                {\protect\addvspace{4\p@}}
1513
```

```
\addtocontents{lot}%
1514
           {\protect\addvspace{4\p@}}
1515
           \if@twocolumn
1516
                \@topnewpage[\@makechapterhead{#2}]%
1517
1518
           \else
1519
                \@makechapterhead{#2}%
1520
                \@afterheading
1521
           \fi
1522 }
1523
1524 %\def\@schapter#1{\if@twocolumn \@topnewpage[\@makeschapterhead{#1}]%
1525 %
                           \else \@makeschapterhead{#1}%
1526 %
                                         \markright{#1}
1527 %
                                         \@afterheading\fi}
1528
1529 \ensuremath{\ensuremath{\mbox{1}}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\columnwidth}{\co
                -.2ex}{2.3ex plus.2ex}{\reset@font\large\bfseries}}
1531 \def\subsection{\@startsection{subsection}{2}{\z@}{-3.25ex plus-1ex
                minus-.2ex}{1.5ex plus.2ex}{\reset@font\normalsize\bfseries}}
1533 \def\subsubsection{\@startsection{subsubsection}{3}{\z@}{-3.25ex plus
                -1ex minus-.2ex}{1.5ex plus.2ex}{\reset@font\normalsize}}
1535 \def\paragraph{\@startsection
                {paragraph}{4}{\z@}{3.25ex plus1ex minus.2ex}{-1em}{\reset@font}
1536
                \normalsize\bfseries}}
1537
1538 \def\subparagraph{\@startsection
1539
                  {subparagraph}{4}{\parindent}{3.25ex plus1ex minus
                   .2ex}{-1em}{\reset@font\normalsize\bfseries}}
1540
1541
1542 \setcounter{secnumdepth}{2}
1543
1544 \def\appendix{\par
           \setcounter{chapter}{0}%
1546
           \setcounter{section}{0}%
1547
           \def\@chapapp{\appendixname}%
           \def\thechapter{\Alph{chapter}}}
1548
1549
1550 \leftmargini 2.5em
1551 \leftmarginii 2.2em
                                                             % > \labelsep + width of '(m)'
1552 \leftmarginiii 1.87em
                                                            % > \labelsep + width of 'vii.'
1553 \leftmarginiv 1.7em
                                                             % > \labelsep + width of 'M.'
1554 \leftmarginv 1em
1555 \leftmarginvi 1em
1556
1557 \leftmargin\leftmargini
1558 \labelsep .5em
1559 \labelwidth\leftmargini\advance\labelwidth-\labelsep
1560
1561 (*10pt)
1562 \def\@listI{\leftmargin\leftmargini \parsep 4\p@ plus2\p@ minus\p@%
1563 \topsep 8\p@ plus2\p@ minus4\p@
```

```
1564 \itemsep 4\p@ plus2\p@ minus\p@}
1565
1566 \let\@listi\@listI
1567 \@listi
1568
1569 \def\@listii{\leftmargin\leftmarginii
1570
               \labelwidth\leftmarginii\advance\labelwidth-\labelsep
               \topsep 4\p@ plus2\p@ minus\p@
1571
1572
               \parsep 2\p@ plus\p@ minus\p@
               \itemsep \parsep}
1573
1574
1575 \def\@listiii{\leftmargin\leftmarginiii
                 \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
                 \topsep 2\p@ plus\p@ minus\p@
1577
                 \parsep \z@ \partopsep\p@ plus\z@ minus\p@
1578
1579
                 \itemsep \topsep}
1580
1581 \def\@listiv{\leftmargin\leftmarginiv
                   \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1583
1584 \def\@listv{\leftmargin\leftmarginv
1585
                    \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1586
1587 \def\@listvi{\leftmargin\leftmarginvi
                   \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1588
1589 (/10pt)
1590 %
1591 (*11pt)
1592 \ensuremath{$1592 \ensu
1593 \topsep 9\p@ plus3\p@ minus5\p@
1594 \itemsep 4.5\p@ plus2\p@ minus\p@}
1595
1596 \let\@listi\@listI
1597 \@listi
1598
1599 \def\@listii{\leftmargin\leftmarginii
               \labelwidth\leftmarginii\advance\labelwidth-\labelsep
1600
1601
               \topsep 4.5\p@ plus2\p@ minus\p@
1602
               \parsep 2\p@ plus\p@ minus\p@
               \itemsep \parsep}
1603
1604
1605 \def\@listiii{\leftmargin\leftmarginiii
                 \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1606
                 \topsep 2\p@ plus\p@ minus\p@
1607
1608
                 \parsep \z@ \partopsep \p@ plus\z@ minus\p@
1609
                 \itemsep \topsep}
1610
1611 \def\@listiv{\leftmargin\leftmarginiv
1612
                    \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1613
```

```
1614 \def\@listv{\leftmargin\leftmarginv
                             \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1615
1616
1617 \def\@listvi{\leftmargin\leftmarginvi
                             \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1619 (/11pt)
1620 %
1621 (*12pt)
1622 \ensuremath{$\setminus$} 1622 \ensuremath{$\setminus$
1623 \topsep 10\p@ plus4\p@ minus6\p@
1624 \itemsep 5\p@ plus2.5\p@ minus\p@}
1626 \let\@listi\@listI
1627 \@listi
1628
1629 \def\@listii{\leftmargin\leftmarginii
                      \labelwidth\leftmarginii\advance\labelwidth-\labelsep
1630
                      \topsep 5\p@ plus2.5\p@ minus\p@
1631
1632
                      \parsep 2.5\p@ plus\p@ minus\p@
1633
                      \itemsep \parsep}
1634
1635 \def\@listiii{\leftmargin\leftmarginiii
                         \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1636
                          \topsep 2.5\p@ plus\p@ minus\p@
1637
1638
                          \parsep \z@ \partopsep \p@ plus\z@ minus\p@
1639
                          \itemsep \topsep}
1640
1641 \def\@listiv{\leftmargin\leftmarginiv
                             \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1642
1643
1644 \def\@listv{\leftmargin\leftmarginv
1645
                            \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1646
1647 \def\@listvi{\leftmargin\leftmarginvi
                             \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1648
1649 (/12pt)
1650 (/opt)
```

3.6.3 The style files of the Faculty of Informatics

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

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

```
1651 \NeedsTeXFormat{LaTeX2e}
1652 \ProvidesPackage{fithesis/style/mu/fithesis-fi}[2015/06/27]
```

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

The file defines the color scheme of the respective faculty.

```
1653 \thesis@color@setup{
1654    links={HTML}{FFD451},
1655    tableEmph={HTML}{FFD451},
1656    tableOdd={HTML}{FFF9E5},
1657    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.

```
1658 \ifx\thesis@type\thesis@bachelors\else
1659 \ifx\thesis@type\thesis@masters\else
1660 \thesis@blocks@assignment@false
1661 \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

```
1662 \def\thesis@blocks@titlePage@content{%
                        {\term{ }\term{ }\te
1663
                        {\thesis@titlePage@large\sc\thesis@@{typeName}\\[0.3in]}
1664
                        {\thesis@titlePage@Large\bf\thesis@author}
1665
                        % If this is a rigorous thesis, typeset the name of the
1666
                        % thesis advisor.
1667
                        \ifx\thesis@type\thesis@rigorous%
1668
1669
                               {\thesis@titlePage@large\\[0.3in]
                                      {\bf\thesis@@{advisorTitle}:} \thesis@advisor}
1670
                        \fi}%
1671
1672 \def\thesis@blocks@titlePage@footer{%
                 {\thesis@titlePage@large\thesis@place, \thesis@@{semester}
                % If this is a rigorous thesis, create space for the advisor's
1674
                 % signature
1675
                 \ifx\thesis@type\thesis@rigorous%
1676
1677
                        \let\@A\relax\newlength{\@A}
                               \settowidth{\@A}{\thesis@@{advisorSignature}}
1678
1679
                               \left(\A^{\Omega}\right) \
1680
                        \fill\ack {-0.5em}{\operatorname{parbox}{\@A}{}}
1681
                               \centering
1682
                               \rule{\@A}{1pt}\\
                               \thesis@@{advisorSignature}
1683
                        }}
1684
                 \fi}}
1685
```

\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.

```
1686 \def\thesis@blocks@declaration{%
     \thesis@blocks@clear%
1687
     \begin{alwayssingle}%
1688
       \chapter*{\thesis@@{declarationTitle}}%
1689
       \thesis@declaration%
1690
1691
       \vskip 2cm%
1692
       \hfill\thesis@author%
1693
       \par\vfill%
       \textbf{\thesis@@{advisorTitle}:} \thesis@advisor%
1694
       \par\vfil%
1695
     \end{alwayssingle}}
1696
```

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

```
1697 \def\thesis@preamble{%
     \thesis@blocks@cover%
1698
     \thesis@blocks@titlePage%
1699
     \thesis@blocks@frontMatter%
1700
       \thesis@blocks@assignment%
1701
1702
       \thesis@blocks@declaration%
       \thesis@blocks@thanks%
1703
       \thesis@blocks@clearRight%
1704
1705
         \thesis@blocks@abstract%
         \thesis@blocks@keywords%
1706
       \thesis@blocks@tables%
1707
    \thesis@blocks@mainMatter}
1708
```

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.

```
1709 \NeedsTeXFormat{LaTeX2e}
1710 \ProvidesPackage{fithesis/style/mu/fithesis-sci}[2015/06/27]
```

The file defines the color scheme of the respective faculty.

```
1711 \thesis@color@setup{
1712    links={HTML}{20E366},
1713    tableEmph={HTML}{8EDEAA},
1714    tableOdd={HTML}{EDF7F1},
1715    tableEven={HTML}{CCEDD8}}
```

The file freely uses Czech locale strings within the macros.

1716 \thesis@requireLocale{czech}

The file loads the following packages:

• tikz – Used for dimension arithmetic.

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

• geometry – Used for the modifications of the type area dimensions.

```
1717 \thesis@require{tikz}
1718 \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.

1719 \ifx\thesis@type\thesis@bachelors\else
1720 \ifx\thesis@type\thesis@masters\else
1721 \thesis@blocks@assignment@false
1722 \fi\fi

\thesis@blocks@bibEntry

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

\thesis@czech@bib@title

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

\thesis@czech@bib@title

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

\thesis@czech@bib@programme

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

\thesis@czech@bib@advisor

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

\thesis@czech@bib@academicYear

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

\thesis@czech@bib@pages

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

\thesis@czech@bib@keywords

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

- 1724 \begin{alwayssingle}%
- 1725 {% Start the new chapter without clearing the right page
- 1726 {\def\cleardoublepage{}%
- 1727 \chapter*{\thesis@czech@bib@title}}%
- 1728 % Calculate the width of the columns
- 1729 \let\@A\relax\newlength{\@A}\settowidth{\@A}{{%
- 1730 \bf\thesis@czech@bib@author:}}
- 1731 $\left(\B\right)^{0B}\$
- 1732 \bf\thesis@czech@bib@thesisTitle:}}
- 1733 \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
- 1734 \bf\thesis@czech@bib@programme:}}
- 1735 \let\@D\relax\newlength{\@D}\settowidth{\@D}{{%
- 1736 \bf\thesis@czech@bib@field:}}
- 1737 % Unless this is a rigorous thesis, we will be typesetting the
- 1738 % name of the thesis advisor.
- 1739 \let\@E\relax\newlength{\@E}
- 1740 \ifx\thesis@type\thesis@rigorous%

```
\left( \mathbb{C}_{0}^{0} \right)
1741
1742
                          \settowidth{\@E}{{\bf\thesis@czech@bib@advisor:}}
1743
                     \fi%
1744
                 \left( \F\right) = \left( \F\right) 
1745
1746
                     \bf\thesis@czech@bib@academicYear:}}
1747
                 \left( \G\right) \simeq \left( \G\right) \
                     \bf\thesis@czech@bib@pages:}}
1748
                 \left(\H\right)\
1749
                     \bf\thesis@czech@bib@keywords:}}
1750
                 \let\@skip\relax\newlength{\@skip}\setlength{\@skip}{16pt}
1751
1752
                 \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
1753
                     max(\@A, \@B, \@C, \@D, \@E, \@F, \@G, \@H)
                 1754
                     \textwidth-\@left-\@skip}
1755
                % Typeset the table
1756
                 \renewcommand{\arraystretch}{2}
1757
                 \noindent\begin{thesis@newtable@old}%
1758
1759
                     \{0\}p\{\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\ensuremath{0}}\ensuremath{\e
1760
                     \textbf{\thesis@czech@bib@author:} &
1761
                          \noindent\parbox[t]{\@right}{
                              \thesis@author\\
1762
                              \thesis@czech@facultyName,
1763
                              \thesis@czech@universityName\\
1764
1765
                              \thesis@department
                          }\\
1766
                     \textbf{\thesis@czech@bib@thesisTitle:}
1767
1768
                          & \thesis@title \\
                     \textbf{\thesis@czech@bib@programme:}
1769
                          & \thesis@programme \\
1770
                     \textbf{\thesis@czech@bib@field:}
1771
1772
                          & \thesis@field \\
1773
                     % Unless this is a rigorous thesis, typeset the name of the
1774
                     % thesis advisor.
                     \ifx\thesis@type\thesis@rigorous\else%
1775
1776
                          \textbf{\thesis@czech@bib@advisor:}
                              & \thesis@advisor \\
1777
                     \fi
1778
1779
                     \textbf{\thesis@czech@bib@academicYear:}
                          & \thesis@academicYear \\
1780
1781
                     \textbf{\thesis@czech@bib@pages:}
1782
                          & \thesis@pages \\
                     \textbf{\thesis@czech@bib@keywords:}
1783
                         & \thesis@TeXkeywords \\
1784
1785
                 \end{thesis@newtable@old}}
            \end{alwayssingle}}
```

\thesis@blocks@bibEntryEn

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

• \thesis@english@bib@title - The title of the entire block \thesis@english@bib@title • \thesis@english@bib@author - The label of the author name entry \thesis@english@bib@author \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 - The label of the field of study name entry \thesis@english@bib@field • \thesis@english@bib@advisor - The label of the advisor name entry \thesis@english@bib@advisor \thesis@english@bib@academicYear • \thesis@english@bib@academicYear - The label of the academic year entry • \thesis@english@bib@pages - The label of the number of pages entry \thesis@english@bib@pages • \thesis@english@bib@keywords - The label of the keywords entry \thesis@english@bib@keywords

> 1787 \def\thesis@blocks@bibEntryEn{% {\thesis@selectLocale{english} 1788 \begin{alwayssingle} 1789 % Start the new chapter without clearing the right page 1790 {\def\cleardoublepage{}% 1791 \chapter*{\thesis@english@bib@title}}% 1792 1793 {% Calculate the width of the columns 1794 $\left(\mathbb{A}\right)$ \bf\thesis@english@bib@author:}} 1795 1796 \bf\thesis@english@bib@thesisTitle:}} 1797 1798 \bf\thesis@english@bib@programme:}} 1799 $\left(\D\right)\$ 1800 \bf\thesis@english@bib@field:}} 1801 % Unless this is a rigorous thesis, we will be typesetting 1802 % the name of the thesis advisor. 1803 \let\@E\relax\newlength{\@E} 1804 \ifx\thesis@type\thesis@rigorous% 1805 \setlength{\@E}{0pt}% 1806 1807 \else% \settowidth{\@E}{{\bf\thesis@english@bib@advisor:}} 1808 \fi% 1809 $\left(\F \right) \$ 1810 \bf\thesis@english@bib@academicYear:}} 1811 $\ \left(\G\right) \simeq \G(\G) \$ 1812 \bf\thesis@english@bib@pages:}} 1813 \let\@H\relax\newlength{\@H}\settowidth{\@H}{{% 1814 \bf\thesis@english@bib@keywords:}} 1815 \let\@skip\relax\newlength{\@skip}\setlength{\@skip}{16pt} 1816 \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{% 1817 $max(\@A,\@B,\@C,\@D,\@E,\@F,\@G,\@H)$ } 1818 1819 \let\@right\relax\newlength{\@right}\setlength{\@right}{% 1820 \textwidth-\@left-\@skip}

```
% Typeset the table
1821
       \renewcommand{\arraystretch}{2}
1822
       \noindent\begin{thesis@newtable@old}%
1823
         \{0{p}(\theta)p{\theta}\
1824
            \textbf{\thesis@english@bib@author:} &
1825
1826
              \noindent\parbox[t]{\@right}{
1827
                \thesis@author\\
                \thesis@english@facultyName,
1828
                \thesis@english@universityName\\
1829
                \thesis@departmentEn
1830
             }\\
1831
            \textbf{\thesis@english@bib@thesisTitle:}
1832
             & \thesis@titleEn \\
1833
            \textbf{\thesis@english@bib@programme:}
1834
             & \thesis@programmeEn \\
1835
            \textbf{\thesis@english@bib@field:}
1836
             & \thesis@fieldEn \\
1837
           % Unless this is a rigorous thesis, typeset the name of the
1838
1839
           % thesis advisor.
1840
            \ifx\thesis@type\thesis@rigorous\else%
              \textbf{\thesis@english@bib@advisor:}
1841
                & \thesis@advisor \\
1842
            \fi
1843
            \textbf{\thesis@english@bib@academicYear:}
1844
1845
             & \thesis@academicYear \\
            \textbf{\thesis@english@bib@pages:}
1846
              & \thesis@pages \\
1847
            \textbf{\thesis@english@bib@keywords:}
1848
              & \thesis@TeXkeywordsEn \\
1849
          \end{thesis@newtable@old}}
1850
       \end{alwayssingle}
1851
1852
     }}
```

\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.

```
1853 \def\thesis@blocks@frontMatter{%
1854 \pagestyle{empty}
1855 \parindent 1.5em
1856 \setcounter{page}{1}
1857 \pagenumbering{roman}}
```

\thesis@blocks@cover

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

```
1858 \def\thesis@blocks@cover{%
1859 \ifthesis@cover@
1860 \thesis@blocks@clear
1861 \ifthesis@twoside@\@twosidefalse\fi % Temporarily disable twoside
1862 \begin{alwayssingle}
1863 \thispagestyle{empty}
```

```
\begin{center}
1864
          {\sc\thesis@titlePage@LARGE\thesis@czech@universityName\\%
1865
              \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%
1866
              \thesis@titlePage@large\thesis@department}
1867
          \vfill
1868
1869
          {\tt \{\bf\thesis@titlePage@Huge\thesis@czech@typeName\}}
1870
          {\thesis@titlePage@large\thesis@place
1871
           \ \thesis@year\hfill\thesis@author}
1872
          \end{center}
1873
        \end{alwayssingle}
1874
        \ifthesis@twoside@\@twosidetrue\fi % Re-enable twoside
1875
1876
```

\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.

```
1877 \def\thesis@blocks@titlePage{%
     \thesis@blocks@clear
1878
     \ifthesis@twoside@\@twosidefalse\fi % Temporarily disable twoside
1879
     \begin{alwayssingle}
1880
       \thispagestyle{empty}
1881
1882
       % The top of the page
1883
       \begin{adjustwidth}{-12mm}{}
1884
          \begin{minipage}{30mm}
            \thesis@blocks@universityLogo@color[width=30mm]
1885
         \end{minipage}\begin{minipage}{89mm}
1886
            \begin{center}
1887
              {\sc\thesis@titlePage@LARGE\thesis@czech@universityName\\%
1888
                  \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%
1889
                  \thesis@titlePage@normalsize\thesis@department}
1890
1891
              \rule{\textwidth}{2pt}\vspace*{2mm}
            \end{center}
1892
         \end{minipage}\begin{minipage}{30mm}
1893
            \thesis@blocks@facultyLogo@color[width=30mm]
1894
1895
         \end{minipage}
1896
       \end{adjustwidth}
       % The middle of the page
1897
       \vfill
1898
       {\bf\thesis@titlePage@Huge\thesis@TeXtitle\[0.8em]}
1899
       {\thesis@titlePage@large\thesis@czech@typeName\\[1em]}
1900
       {\bf\thesis@titlePage@LARGE\thesis@author}\\
1901
1902
       \vfill\noindent
       % The bottom of the page
1903
       {\bf\thesis@titlePage@normalsize%
1904
         % Unless this is a rigorous thesis, typeset the name of the
1905
         % thesis advisor.
1906
         \ifx\thesis@type\thesis@rigorous\else%
1907
1908
              \thesis@czech@advisorTitle: \thesis@advisor\hfill%
1909
         \fi%
```

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

```
1913 \def\thesis@preamble{%
1914 {\thesis@selectLocale{czech}%
     \thesis@blocks@cover%
1915
1916
     \thesis@blocks@frontMatter%
1917
       \thesis@blocks@titlePage%
       \thesis@blocks@clearRight%
1918
1919
         \thesis@blocks@bibEntry%
         \thesis@blocks@bibEntryEn%
1920
         \thesis@blocks@abstract%
1921
         \thesis@blocks@abstractEn%
1922
1923
       \thesis@blocks@assignment%
       \thesis@blocks@thanks%
1924
       \thesis@blocks@declaration%
1925
1926
       \thesis@blocks@tables}%
1927
     \thesis@blocks@mainMatter}
```

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.

```
1928 \NeedsTeXFormat{LaTeX2e}
1929 \ProvidesPackage{fithesis/style/mu/fithesis-phil}[2015/06/27]
```

The file defines the color scheme of the respective faculty.

```
1930 \thesis@color@setup{
1931 links={HTML}{6FCEF2},
1932 tableEmph={HTML}{78CEF0},
1933 tableOdd={HTML}{EBF6FA},
1934 tableEven={HTML}{D0EBF5}}
```

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

```
1935 \verb| thesis@blocks@titlePage@department@true \\ 1936 \verb| 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.

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

```
1937 \def\thesis@preamble{%
1938  \thesis@blocks@cover%
1939  \thesis@blocks@frontMatter%
1940  \thesis@blocks@frontMatter%
1941  \thesis@blocks@declaration%
1942  \thesis@blocks@thanks%
1943  \thesis@blocks@tables%
1944  \thesis@blocks@mainMatter}
```

3.6.6 The style files of the Faculty of Education

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

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

```
1945 \NeedsTeXFormat{LaTeX2e}
1946 \ProvidesPackage{fithesis/style/mu/fithesis-ped}[2015/06/27]
```

The file defines the color scheme of the respective faculty.

```
1947 \thesis@color@setup{
1948 links={HTML}{FFA02F},
1949 tableEmph={HTML}{FFBB6B},
1950 tableOdd={HTML}{FFF1E0},
1951 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

```
1960 \def\thesis@blocks@bibEntry{%
1961 \chapter*{\thesis@0{bib@title}}
1962 \noindent\thesis@upper{author@tail}, \thesis@author@head.
```

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

```
1963 \emph{\thesis@title}. \thesis@place: \thesis@@{universityName},
1964 \thesis@@{facultyName}, \thesis@department, \thesis@year.
1965 \thesis@pages\ \thesis@@{bib@pages}.
1966 \thesis@@{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.

```
1967 \def\thesis@preamble{%
1968 \thesis@blocks@cover%
1969 \thesis@blocks@titlePage%
1970 \thesis@blocks@frontMatter%
       \thesis@blocks@bibEntry%
1971
       \thesis@blocks@clearRight%
1972
         \thesis@blocks@abstract%
1973
         \thesis@blocks@abstractEn%
1974
         \thesis@blocks@keywords%
1975
         \thesis@blocks@keywordsEn%
1976
1977
       \thesis@blocks@declaration%
1978
       \thesis@blocks@thanks%
1979
       \thesis@blocks@tables%
     \thesis@blocks@mainMatter}
1980
```

3.6.7 The style files of the Faculty of Social Studies

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

tableEven={HTML}{C5E3DF}}

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.

```
1981 \NeedsTeXFormat{LaTeX2e}
1982 \ProvidesPackage{fithesis/style/mu/fithesis-fss}[2015/06/27]
The file defines the color scheme of the respective faculty.
1983 \thesis@color@setup{
1984    links={HTML}{58EDD7},
1985    tableEmph={HTML}{69D6C6},
1986    tableOdd={HTML}{E3F1EE},
```

\thesis@blocks@frontMatter

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

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

```
1988 \def\thesis@blocks@frontMatter{%
1989 \pagestyle{plain}
1990 \parindent 1.5em
1991 \setcounter{page}{1}
1992 \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.

```
1993 \def\thesis@preamble{%
1994 \thesis@blocks@cover%
1995 \thesis@blocks@titlePage%
     \thesis@blocks@frontMatter%
       \thesis@blocks@clearRight%
1997
         \thesis@blocks@abstract%
1998
         \thesis@blocks@abstractEn%
1999
         \thesis@blocks@keywords%
2000
         \thesis@blocks@keywordsEn%
2001
2002
       \thesis@blocks@assignment%
2003
       \thesis@blocks@declaration%
       \thesis@blocks@thanks%
2004
       \thesis@blocks@tables%
2005
     \thesis@blocks@mainMatter}
2006
```

3.6.8 The style files of the Faculty of Law

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

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

```
2007 \NeedsTeXFormat{LaTeX2e}
2008 \ProvidesPackage{fithesis/style/mu/fithesis-law}[2015/06/27]
```

The file defines the color scheme of the respective faculty.

```
2009 \thesis@color@setup{
2010 links={HTML}{CF86EB},
2011 tableEmph={HTML}{D39BE8},
2012 tableOdd={HTML}{F2EBF5},
2013 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.

```
2014 \def\thesis@blocks@cover@header{%
2015     {\sc\thesis@titlePage@Large\thesis@@{facultyLongName}\\%
```

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

```
2016    \thesis@titlePage@large\thesis@department\\vskip 2em}}
2017 \let\thesis@blocks@titlePage@header=\thesis@blocks@cover@header
```

\thesis@blocks@frontMatter

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

```
2018 \def\thesis@blocks@frontMatter{%
2019 \thesis@blocks@clear
2020 \pagestyle{plain}
2021 \parindent 1.5em
2022 \setcounter{page}{1}
2023 \pagenumbering{arabic}}
```

\thesis@blocks@mainMatter

The \thesis@blocks@mainMatter macro sets up the style of the main matter of the thesis. The page numbering doesn't reset at the beginning of the main thesis in accordance with the formal requirements of the faculty.

```
2024 \def\thesis@blocks@mainMatter{%
2025 \thesis@blocks@clear
2026 \pagestyle{thesisheadings}
2027 \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.

```
2028 \def\thesis@preamble{%
2029
    \thesis@blocks@cover%
     \thesis@blocks@titlePage%
2030
     \thesis@blocks@frontMatter%
2031
       \thesis@blocks@declaration%
2032
       \thesis@blocks@clearRight%
2033
         \thesis@blocks@abstract%
2034
2035
         \thesis@blocks@abstractEn%
2036
         \thesis@blocks@keywords%
2037
         \thesis@blocks@keywordsEn%
2038
       \thesis@blocks@thanks%
2039
       \thesis@blocks@tables%
     \thesis@blocks@mainMatter}
```

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

```
2041 \def\thesis@postamble{%
2042 \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.

```
2043 \NeedsTeXFormat{LaTeX2e} 2044 \ProvidesPackage{fithesis/style/mu/fithesis-econ}[2015/06/27]
```

The file defines the color scheme of the respective faculty.

```
2045 \thesis@color@setup{
2046    links={HTML}{E68935},
2047    tableEmph={HTML}{E8B88B},
2048    tableOdd={HTML}{F5ECEB},
2049    tableEven={HTML}{EBD8D5}}
```

The file loads the following packages:

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

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

```
2050 \thesis@require{tikz}
2051 \thesis@require{geometry}
2052 \geometry{top=25mm,bottom=20mm,left=25mm,right=25mm,includeheadfoot}
```

\thesis@blocks@cover

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

```
2053 \def\thesis@blocks@cover{%
     \ifthesis@cover@
2054
2055
       \thesis@blocks@clear
2056
        \begin{alwayssingle}
          \thispagestyle{empty}
2057
2058
          \begin{center}
          {\sc\thesis@titlePage@LARGE\thesis@@{universityName}\\%
2059
              \thesis@titlePage@Large\thesis@@{facultyName}\\}
2060
          \vfill
2061
          {\bf\thesis@titlePage@Huge\thesis@@{typeName}}
2062
          \vfill
2063
          {\thesis@titlePage@large\thesis@place
2064
           \ \thesis@year\hfill\thesis@author}
2065
          \end{center}
2066
        \end{alwayssingle}
2067
2068
```

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.

2069 \thesis@blocks@titlePage@field@true

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

```
2070 \def\thesis@blocks@titlePage@content{%
2071 {\thesis@titlePage@Huge\bf\thesis@TeXtitle}
                  \ifthesis@english\else
2072
                            {\clin}\thesis@titlePage@Large\bf\thesis@TeXtitleEn}
2073
2074 \fi {\[0.3in]\thesis@titlePage@large\sc\thesis@@{typeName}\)}
2075 \def\thesis@blocks@titlePage@footer{%
                   {\thesis@titlePage@large
                            {% Calculate the width of the thesis author and advisor boxes
2077
2078
                               \left( A\right) = A \cdot (A) \cdot (A)
                                        \bf\thesis@@{advisorTitle}:}}
2079
                                \left(\B\right)\right. \
2080
2081
                                \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
                                        \bf\thesis@@{authorTitle}:}}
2082
                               \label{OD}\
2083
                            \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
2084
2085
                                   max(\@A,\@B)}
                            2086
                                   max(\@C,\@D)}
2087
2088
                            % Typeset the thesis author and advisor boxes
2089
                            \vskip 2in\begin{minipage}[t]{\@left}
                                    {\bf\thesis@@{advisorTitle}:}\\\thesis@advisor
2090
                            \end{minipage}\hfill\begin{minipage}[t]{\@right}
2091
                                    {\bf\thesis@@{authorTitle}:}\\thesis@author
2092
                            \end{minipage}}\\[4em]\thesis@place, \thesis@year}}
2093
```

\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.

```
2094 \def\thesis@blocks@frontMatter{%
2095 \thesis@blocks@clear
     % In case of double-sided typesetting, change the geometry
2096
     \ifthesis@twoside@
2097
       \newgeometry{top=25mm,bottom=20mm,left=35mm,
2098
2099
         right=15mm, includeheadfoot}
2100 \fi\pagestyle{empty}
2101 \parindent 1.5em
     \setcounter{page}{1}
2102
     \pagenumbering{arabic}}
2103
```

\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.

```
2104 \def\thesis@blocks@mainMatter{%
     \thesis@blocks@clear
2105
2106
     \pagestyle{thesisheadings}
     \parindent 1.5em\relax}
```

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

```
2108 \def\thesis@blocks@toc{%
2109 \thesis@blocks@clear%
2110 \tableofcontents}
```

\thesis@blocks@tables

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

```
2111 \def\thesis@blocks@tables{%
2112 \thesis@blocks@clear%
2113 \thesis@blocks@lot%
2114 \thesis@blocks@lof}
```

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

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

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

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

3.6.10 The style files of the Faculty of Medicine

3.6.10.1 The style/mu/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.

```
2131 \NeedsTeXFormat{LaTeX2e}
2132 \ProvidesPackage{fithesis/style/mu/fithesis-med}[2015/06/27]
The file defines the color scheme of the respective faculty.
2133 \thesis@color@setup{
2134    links={HTML}{F58E76},
2135    tableEmph={HTML}{FF9D85},
```

```
2136 tableOdd={HTML}{FFF5F6},
2137 tableEven={HTML}{FFDEDF}}
```

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.

```
2138 \thesis@require{tikz}
2139 \thesis@require{geometry}
2140 \thesis@require{setspace}
2141 \geometry{top=25mm,bottom=20mm,left=25mm,right=25mm,includeheadfoot}
```

\thesis@blocks@cover

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

```
2142 \def\thesis@blocks@cover{%
2143 \ifthesis@cover@
       \thesis@blocks@clear
2144
       \begin{alwayssingle}
2145
         \thispagestyle{empty}
2146
          \begin{center}
2147
          {\sc\thesis@titlePage@LARGE\thesis@@{universityName}\\%
2148
              \thesis@titlePage@Large\thesis@@{facultyName}\\}
2149
2150
          {\bf\thesis@titlePage@Huge\thesis@@{typeName}}
2151
          \vfill
2152
2153
          {\thesis@titlePage@large\thesis@place
2154
           \ \thesis@year\hfill\thesis@author}
          \end{center}
2155
2156
       \end{alwayssingle}
     \fi}
2157
```

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.

```
2158 \def\thesis@blocks@titlePage@content{%
2159 {\thesis@titlePage@Huge\bf\thesis@TeXtitle\\[0.3in]]%
2160 {\thesis@titlePage@large{\sc\thesis@@{typeName}}\\}}
2161 \def\thesis@blocks@titlePage@footer{%
2162 {\thesis@titlePage@large
2163 {% Calculate the width of the thesis author and advisor boxes
2164 \let\@A\relax\newlength{\@A}\settowidth{\@A}{{%}}
2165 \bf\thesis@@{advisorTitle}:}}
2166 \let\@B\relax\newlength{\@B}\settowidth{\@B}{\thesis@advisor}}
```

```
\let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
2167
       \bf\thesis@@{authorTitle}:}}
2168
      2169
      2170
       \bf\thesis@@{fieldTitle}:}}
2171
2172
      2173
     \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
2174
      max(\@A,\@B)}
     \let\@right\relax\newlength{\@right}\pgfmathsetlength{\@right}{%
2175
      max(\@C,\@D,\@E,\@F)}
2176
     % Typeset the thesis author and advisor boxes
2177
2178
     \vskip 2in\begin{minipage}[t]{\@left}
2179
      {\bf\thesis@@{advisorTitle}:}\\\thesis@advisor
     \end{minipage}\hfill\begin{minipage}[t]{\@right}
2180
      {\bf\thesis@@{authorTitle}:}\\thesis@author
2181
        \[1em]{\bf\thesis@{fieldTitle}:}\
2182
     2183
```

\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.

```
2184 \def\thesis@blocks@frontMatter{%
2185 \thesis@blocks@clear
2186
     % In case of double-sided typesetting, change the geometry
2187
     \ifthesis@twoside@
       \newgeometry{top=25mm,bottom=20mm,left=35mm,
2188
2189
         right=15mm, includeheadfoot}
     \fi\pagestyle{empty}
2190
     \parindent 1.5em
2191
     \setcounter{page}{1}
2192
     \pagenumbering{arabic}}
```

\thesis@blocks@bibEntry

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

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

```
2194 \def\thesis@blocks@bibEntry{%
2195 \chapter*{\thesis@@{bib@title}}
2196 \noindent\thesis@upper{author@tail}, \thesis@author@head.
2197 \emph{\thesis@title}. \thesis@place: \thesis@@{universityName},
2198 \thesis@@{facultyName}, \thesis@department, \thesis@year.
2199 \thesis@pages\ \thesis@@{bib@pages}.
2200 \thesis@@{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.

```
2201 \def\thesis@preamble{%
2202 \thesis@blocks@cover%
2203
     \thesis@blocks@frontMatter%
2204
       \thesis@blocks@titlePage%
2205
       \onehalfspacing%
2206
      \thesis@blocks@clearRight%
2207
         \thesis@blocks@abstract%
         \thesis@blocks@abstractEn%
2209
         \thesis@blocks@keywords%
2210
         \thesis@blocks@keywordsEn%
2211
       \thesis@blocks@bibEntry%
       \thesis@blocks@declaration%
2212
2213
       \thesis@blocks@thanks%
2214
       \thesis@blocks@tables%
2215 \thesis@blocks@mainMatter}
```

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.

```
2216 \NeedsTeXFormat{LaTeX2e}
2217 \ProvidesPackage{fithesis/style/mu/fithesis-fss}[2015/06/27]
The file defines the color scheme of the respective faculty.

2218 \thesis@color@setup{
2219    links={HTML}{93BCF5},
2220    tableEmph={HTML}{A8BDE3},
2221    tableOdd={HTML}{EBEFF5},
2222    tableEven={HTML}{D1DAEB}}
```

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

2223 \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.

```
2224 \def\thesis@preamble{%
2225 \thesis@blocks@cover%
2226 \thesis@blocks@titlePage%
2227 \thesis@blocks@frontMatter%
2228 \thesis@blocks@declaration%
2229 \thesis@blocks@thanks%
2230 \thesis@blocks@tables%
2231 \thesis@blocks@mainMatter}
```

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

Index

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

Symbols	\@ixpt <u>1243</u> , <u>1289</u>
\ 1116	\@left 1752, 1755, 1759, 1817,
\@A 1677, 1678,	1820, 1824, 2084, 2089, 2173, 2178
1679, 1680, 1682, 1729, 1753,	\@listI 1241, 1278, 1316,
1794, 1818, 2078, 2085, 2164, 2174	1562, 1566, 1592, 1596, 1622, 1626
\@B 1731, 1753,	\@listi 1241, 1248, 1257, 1278,
1796, 1818, 2080, 2085, 2166, 2174	1285, 1294, 1316, 1323, 1333,
\@C 1733, 1753,	1566, 1567, 1596, 1597, 1626, 1627
1798, 1818, 2081, 2087, 2167, 2176	\@listii 1569, 1599, 1629
\@D 1735, 1753,	\@listiii 1575, 1605, 1635
1800, 1818, 2083, 2087, 2169, 2176	\@listiv 1581, 1611, 1641
\@E 1739, 1741, 1743, 1753,	\@listv 1584, 1614, 1644
1804, 1806, 1808, 1818, 2170, 2176	\@listvi 1587, 1617, 1647
\@F 1745, 1753, 1810, 1818, 2172, 2176	\@locale 157, 159
\@G 1747, 1753, 1812, 1818	\@lowpenalty 1461, 1464, 1465, 1466
\@H 1749, 1753, 1814, 1818	\@makechapterhead 1468, 1517, 1519
\@afterheading 1520, 1527	\@makeschapterhead 1483, 1524, 1525
\@afterindentfalse 1172, 1497	\@medpenalty 1462
\@arg 141, 142, 169, 170, 244, 245	\@mkboth 1158
\@args	\@month 184, 185
\@beginparpenalty 1464	\@mparswitchfalse811
\@chapapp	\@mparswitchtrue 813
\@chapter 1173, 1498, 1501	\@nobreakfalse 1207
\@date 200, 201	\@nobreaktrue 1206
\@dblfpbot 1398, 1426, 1454	\@normalsize 1357
\@dblfpsep 1397, 1425, 1453	\@oddfoot 1142, 1152, 1156
\@dblfptop 1396, 1424, 1452	\@oddhead 1143, 1144, 1150
\@dottedtocline . 1228, 1229, 1230, 1231	\@p
\@empty 1142, 1143	\@part 1188
$\ensuremath{\texttt{Qendparpenalty}}$	\@path 937, 938, 941, 943, 946, 947, 950, 952
\@english <u>154</u> , <u>160</u>	\@pdfList 1108, 1109, 1119
\@evenfoot	\@plus 1198, 1209, 1215
\@evenhead	\@pnumwidth
\@fpbot 1395, 1423, 1451	. 1201, 1202, 1204, 1218, 1219, 1223
\@fpsep 1394, 1422, 1450	\@relax 1113, 1114
\@fptop 1393, 1421, 1449	\@restonecolfalse 1192
\@gobble 87, 318, 324	\@restonecoltrue 1192
\@gobbletwo 330, 338	\@right 1754, 1759, 1761, 1819,
\@highpenalty 1197, 1214, 1224, 1463	1824, 1826, 2086, 2091, 2175, 2180
\@ifpackageloaded 289, 291	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
\@inject 1112, 1118, 1119	\\eskip . 1751, 1755, 1759, 1816, 1820, 1824
\@itempenalty 1466	\@spart 1188

\@startsection	1275, 1281, 1282, 1290, 1291,
1529, 1531, 1533, 1535, 1538	1312, 1313, 1319, 1320, 1329, 1330
\@tempdima 1200, 1216, 1221	\aboverulesep
\@tempswafalse	\addcontentsline
\@tempswatrue	
\@topnewpage	\addpenalty
\@topnum	\addtocontents 1512, 1514
\@trimmed 1116, 1117	\addtocounter 1104
\@true 140, 142, 168, 170, 243, 245	\addvspace 1198, 1209, 1513, 1515
\@twocolumnfalse	\advance
\@twocolumntrue 815	188, 192, 1221, 1380, 1408, 1436,
\@twosidefalse 811, 956, 1861, 1879	1559, 1570, 1576, 1582, 1585,
\@twosidetrue 813, 969, 1875, 1912	1588, 1600, 1606, 1612, 1615,
\@viiipt 1252, 1298, 1337	1618, 1630, 1636, 1642, 1645, 1648
\@viipt 1261	\Alph
\@vipt 1299, 1338	\alwayssingle 1191
\@vpt 1262	\appendix 1544
\@xiipt 1263, 1300, 1311	\appendixname
\@xipt 1273, 1318	\arraystretch 1757, 1822
\@xivpt 1264, 1301, 1339	\AtBeginDocument
\@xpt 1236, 1280, 1328	\AtEndDocument 275, 277
\\(\text{@xviipt}\) \(\AtEndPreamble
\\(\text{0xxpt}\)	
\\exxvpt \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	В
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\baselineskip 1379, 1407, 1435
\@yearA 187, 191, 194	\begin 957, 959, 1001, 1003, 1043, 1052,
\@yearA	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102,
\@yearB	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823,
\@yearA	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884,
\@yearA	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058,
\@yearA	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058, 2089, 2091, 2145, 2147, 2178, 2180
\@yearA	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058, 2089, 2091, 2145, 2147, 2178, 2180 \begingroup 139, 167, 1199, 1217
\@yearA	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058, 2089, 2091, 2145, 2147, 2178, 2180 \begingroup 139, 167, 1199, 1217 \belowdisplayshortskip
\@yearA	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058, 2089, 2091, 2145, 2147, 2178, 2180 \begingroup 139, 167, 1199, 1217 \belowdisplayshortskip
\@yearA	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058, 2089, 2091, 2145, 2147, 2178, 2180 \begingroup 139, 167, 1199, 1217 \belowdisplayshortskip
\@yearA	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058, 2089, 2091, 2145, 2147, 2178, 2180 \begingroup 1240, 1247, 1256, 1276, 1284, 1293, 1315, 1322, 1332 \belowdisplayskip 1238, 1245, 1254,
\@yearA	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058, 2089, 2091, 2145, 2147, 2178, 2180 \begingroup 1240, 1247, 1256, 1276, 1284, 1293, 1315, 1322, 1332 \belowdisplayshortskip 1238, 1245, 1254, 1275, 1282, 1291, 1313, 1320, 1330
\@yearA	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058, 2089, 2091, 2145, 2147, 2178, 2180 \begingroup 1240, 1247, 1256, 1276, 1284, 1293, 1315, 1322, 1332 \belowdisplayskip 1238, 1245, 1254, 1275, 1282, 1291, 1313, 1320, 1330 \belowrulesep
\(\text{\te\	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058, 2089, 2091, 2145, 2147, 2178, 2180 \begingroup 1240, 1247, 1256, 1276, 1284, 1293, 1315, 1322, 1332 \belowdisplayskip 1238, 1245, 1254, 1275, 1282, 1291, 1313, 1320, 1330 \belowrulesep
\@yearA	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058, 2089, 2091, 2145, 2147, 2178, 2180 \begingroup 139, 167, 1199, 1217 \belowdisplayshortskip 1240, 1247, 1256, 1276, 1284, 1293, 1315, 1322, 1332 \belowdisplayskip 1238, 1245, 1254, 1275, 1282, 1291, 1313, 1320, 1330 \belowrulesep
\@yearA	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058, 2089, 2091, 2145, 2147, 2178, 2180 \begingroup 1240, 1247, 1256, 1276, 1284, 1293, 1315, 1322, 1332 \belowdisplayskip 1238, 1245, 1254, 1275, 1282, 1291, 1313, 1320, 1330 \belowrulesep
\@yearA	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058, 2089, 2091, 2145, 2147, 2178, 2180 \begingroup 1240, 1247, 1256, 1276, 1284, 1293, 1315, 1322, 1332 \belowdisplayshortskip
\@yearA	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058, 2089, 2091, 2145, 2147, 2178, 2180 \begingroup 139, 167, 1199, 1217 \belowdisplayshortskip 1240, 1247, 1256, 1276, 1284, 1293, 1315, 1322, 1332 \belowdisplayskip 1238, 1245, 1254, 1275, 1282, 1291, 1313, 1320, 1330 \belowrulesep
\\e\text{\text{eyearA}} \tag{} \tag{187, 191, 194} \\e\text{\text{eyearB}} \tag{188, 192, 194} \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058, 2089, 2091, 2145, 2147, 2178, 2180 \begingroup 139, 167, 1199, 1217 \belowdisplayshortskip 1240, 1247, 1256, 1276, 1284, 1293, 1315, 1322, 1332 \belowdisplayskip 1238, 1245, 1254, 1275, 1282, 1291, 1313, 1320, 1330 \belowrulesep
\\text{\t	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058, 2089, 2091, 2145, 2147, 2178, 2180 \begingroup 1240, 1247, 1256, 1276, 1284, 1293, 1315, 1322, 1332 \belowdisplayshortskip 1240, 1247, 1256, 1276, 1284, 1293, 1315, 1322, 1332 \belowdisplayskip 1238, 1245, 1254, 1275, 1282, 1291, 1313, 1320, 1330 \belowrulesep
\@yearA	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058, 2089, 2091, 2145, 2147, 2178, 2180 \begingroup 1240, 1247, 1256, 1276, 1284, 1293, 1315, 1322, 1332 \belowdisplayshortskip
\\ \text{\tex{\tex	\begin 957, 959, 1001, 1003, 1043, 1052, 1058, 1068, 1077, 1087, 1102, 1688, 1724, 1758, 1789, 1823, 1862, 1864, 1880, 1883, 1884, 1886, 1887, 1893, 2056, 2058, 2089, 2091, 2145, 2147, 2178, 2180 \begingroup 1240, 1247, 1256, 1276, 1284, 1293, 1315, 1322, 1332 \belowdisplayshortskip 1240, 1247, 1256, 1276, 1284, 1293, 1315, 1322, 1332 \belowdisplayskip 1238, 1245, 1254, 1275, 1282, 1291, 1313, 1320, 1330 \belowrulesep

```
C
                                                1343, 1468, 1483, 1493, 1501,
\c@secnumdepth ..... 1139, 1473, 1502
                                                1524, 1529, 1531, 1533, 1535,
                                                1538, 1544, 1547, 1548, 1562,
\c@tocdepth ..... 1196, 1213
                                                1569, 1575, 1581, 1584, 1587,
1592, 1599, 1605, 1611, 1614,
\chapter ..... 1044, 1053,
                                                1617, 1622, 1629, 1635, 1641,
       1061, 1071, 1080, 1090, 1162,
                                                1644, 1647, 1662, 1672, 1686,
       1493, 1689, 1727, 1792, 1961, 2195
                                                1697, 1723, 1726, 1787, 1791,
                                                1853, 1858, 1877, 1913, 1937,
\chaptermark ..... 1137, 1511
                                                1953, 1960, 1967, 1988, 1993,
2014, 2018, 2024, 2028, 2041,
\cleardoublepage .. 920, 1060, 1070,
                                                2053, 2070, 2075, 2094, 2104,
       1079, 1089, 1166, 1179, 1726, 1791
                                                2108, 2111, 2115, 2129, 2142,
\clearpage 918, 926, 1164, 1168, 1177, 1494
                                                2158, 2161, 2184, 2194, 2201, 2224
\clubpenalty ..... 898
                                         \define@key ..... 13, 20,
\columnsep . . . . . . . . . 1382, 1410, 1438
                                                24, 28, 76, 92, 95, 102, 105, 108,
\columnseprule ..... 1383, 1411, 1439
                                                111, 114, 117, 120, 123, 126, 129,
\csname ..... 70, 158, 159,
                                                132, 135, 138, 151, 166, 199, 203,
       253, 301, 302, 312, 318, 324, 345, 844
                                                206, 209, 212, 215, 218, 221, 224,
                  D
                                                227, 236, 239, 242, 901, 904, 906, 908
\definecolor ..... 902, 905, 907, 909
\dblfloatsep ..... 1390, 1418, 1446
\dbltextfloatsep .... 1391, 1419, 1447
                                         \ea . . . . . . . . . . . . 315, 316, 317, 318,
\DeclareOption .....
                                                321, 322, 323, 324, 1110, 1118, 1119
       . . . 806, 807, 808, 810, 812, 814,
                                          \edef
                                                187, 188, 191, 192, 194, 196, 200,
       815, 816, 817, 819, 820, 822, 823,
                                                343, 937, 941, 946, 950, 1108, 1116
      825, 826, 827, 828, 829, 830, 832, 833
                                         \else .... 7, 16, 34, 38, 41, 45, 49, 52,
\def . . . . . 10, 12, 15, 17, 19, 21, 23, 25,
                                                56, 59, 64, 71, 81, 144, 150, 162,
      27, 29, 31, 70, 72, 73, 74, 77, 78,
                                                172, 189, 247, 257, 260, 263, 331,
       84, 85, 86, 88, 96, 97, 98, 99, 100,
                                                371, 373, 375, 377, 491, 493, 495,
       103, 104, 106, 107, 109, 112, 115,
       118, 121, 124, 127, 128, 130, 131,
                                                497, 503, 505, 507, 509, 593, 595,
       133, 134, 136, 140, 141, 147, 152,
                                                597, 603, 605, 607, 670, 672, 674,
       153, 154, 156, 168, 169, 175, 202,
                                                676, 682, 684, 686, 688, 773, 775,
                                                777, 783, 785, 787, 845, 847, 858,
       204, 207, 208, 210, 213, 214, 216,
                                                921, 932, 1050, 1066, 1085, 1104,
       219, 220, 222, 225, 226, 228, 230,
                                                1107, 1109, 1114, 1149, 1155,
       231, 233, 234, 236, 237, 238, 240,
                                                1167, 1184, 1364, 1508, 1518,
       243, 244, 250, 251, 252, 256, 283,
       286, 288, 290, 292, 299, 302, 312,
                                                1525, 1658, 1659, 1719, 1720,
                                                1742, 1775, 1807, 1840, 1907, 2072
       313, 314, 320, 326, 327, 328, 335,
       341, 342, 806, 807, 808, 827, 829,
                                         \emph ..... 1963, 2197
       899, 910, 916, 924, 953, 980, 992,
                                         \empty ..... 22, 26,
       997, 999, 1022, 1036, 1041, 1049,
                                                30, 31, 32, 36, 43, 47, 260, 263, 1109
                                                967, 968, 1011, 1012, 1048, 1055,
       1057, 1060, 1065, 1070, 1076,
                                         \ensuremath{\mbox{\end}} .
       1079, 1084, 1089, 1097, 1112,
                                                1064, 1074, 1083, 1093, 1106,
       1113, 1123, 1136, 1137, 1144,
                                                1696, 1785, 1786, 1850, 1851,
       1147, 1152, 1154, 1191, 1193,
                                                1873, 1874, 1886, 1892, 1893,
       1248, 1257, 1285, 1294, 1311,
                                                1895, 1896, 1911, 2066, 2067,
       1318, 1323, 1328, 1333, 1337,
                                                2091, 2093, 2155, 2156, 2180, 2183
       1338, 1339, 1340, 1341, 1342,
                                         \endalwayssingle ..... 1193
```

```
\endcsname . . . . . . . . . . . . 70, 158, 164,
                                            177, 178, 179, 180, 186, 190, 279,
      253, 301, 302, 312, 319, 325, 345, 849
                                     \gdef
                                            349, 350, 351, 353, 356, 357, 358,
\endgroup . 143, 145, 171, 173, 1208, 1225
                                            359, 360, 361, 362, 363, 364, 365,
\endtabular ..... 868
                                            366, 368, 381, 382, 389, 391, 392,
\endtabularx ..... 880
                                            397, 400, 404, 405, 410, 415, 418,
\endthesis@newtable@old .... 868,877
                                            421, 422, 426, 427, 432, 435, 439,
\endthesis@newtable@oldx ... 880,885
                                            442, 443, 447, 453, 455, 456, 458,
\english ..... 155
                                            459, 460, 465, 469, 470, 471, 473,
\evensidemargin ..... 1362, 1366
                                            476, 477, 478, 479, 480, 481, 482,
\everypar ..... 1207
                                            483, 484, 485, 486, 488, 500, 515,
516, 523, 527, 530, 531, 536, 539,
\expandafter ... 70, 86, 154, 156, 157,
                                            543, 544, 550, 554, 557, 560, 561,
      158, 159, 183, 184, 197, 201, 301,
                                            565, 566, 569, 579, 583, 584, 590,
      302, 315, 321, 330, 338, 345, 843, 1110
                                            600, 613, 616, 617, 621, 624, 625,
                                            632, 634, 635, 638, 639, 644, 648,
649, 650, 652, 655, 656, 657, 658,
                                            659, 660, 661, 662, 663, 664, 665,
                 F
                                            667, 679, 694, 695, 702, 706, 709,
\fi ..... 9, 18, 40, 54, 55,
                                            710, 715, 718, 722, 723, 728, 732,
      61, 62, 63, 66, 67, 68, 71, 83, 146,
                                            735, 738, 739, 743, 744, 747, 757,
      150, 164, 174, 193, 249, 262, 265,
                                            761, 762, 770, 780, 793, 796, 797, 801
      276, 282, 297, 310, 311, 333, 339,
                                     \geometry ..... 2052, 2141
      341, 379, 466, 499, 511, 599, 609,
                                     \global 194, 450, 454, 457, 461, 633, 636,
      645, 678, 690, 779, 789, 848, 849,
                                            637, 640, 844, 1171, 1206, 1207, 1496
      857, 865, 866, 890, 923, 931, 934,
      942, 951, 956, 969, 970, 983, 985,
      987, 991, 1025, 1027, 1029, 1033,
                                     \hb@xt@ ..... 1204, 1223
      1056, 1075, 1094, 1104, 1118,
                                     \hbox . . . . . . . . . . 929, 1144, 1147, 1187
      1120, 1121, 1122, 1141, 1151,
                                     \headheight ..... 1373
      1157, 1169, 1186, 1192, 1193,
                                     \headsep ..... 1374
      1210, 1226, 1368, 1476, 1510,
                                     \hfil . . 1145, 1148, 1152, 1154, 1204, 1223
      1521, 1527, 1661, 1671, 1685,
                                     \hfill ..... 1047, 1680, 1692,
      1722, 1744, 1778, 1809, 1843,
                                            1872, 1908, 2065, 2091, 2154, 2180
      1861, 1875, 1876, 1879, 1909,
                                     \hrule ..... 1145, 1148
      1912, 2068, 2074, 2100, 2157, 2190
                                     \hskip ..... 1222, 1759, 1824
\file ..... 193, 209
                                      \fill ..... 1053
                                      \Huge ..... 1267, 1304, 1355
\floatsep ..... 1387, 1415, 1443
                                      \huge ..... 1266, 1303, 1354
\fontsize ... 1236, 1243, 1252, 1261,
                                     \hypersetup ..... 267, 892, 903
      1262, 1263, 1264, 1265, 1266,
      1267, 1273, 1280, 1289, 1298,
                                                       Ι
      1299, 1300, 1301, 1302, 1303,
                                     \if ..... 35, 42, 46, 50, 57
      1304, 1311, 1318, 1328, 1337,
                                     \if@restonecol ..... 1190, 1193
      1338, 1339, 1340, 1341, 1342, 1343
                                     \if@twocolumn ... 1181, 1192, 1516, 1524
\footins ..... 1386, 1414, 1442
                                     \if@twoside .... 1146, 1153, 1163, 1360
\footnoterule ..... 963, 1007
                                     \footnotesep ..... 1385, 1413, 1441
                                     \footnotesize 962, 1006, 1252, 1289, 1348
                                     \ifnum .. 185, 1139, 1196, 1213, 1472, 1502
\footskip ..... 1376
                                     \ifodd ..... 927
```

\ifthesis@auto 241,273	K
\ifthesis@blocks@assignment@	\KV@thesis@abstract 230
	\KV@thesis@abstractEn 233
\ifthesis@blocks@cover@department@	\KV@thesis@declaration 73
975, 985	\KV@thesis@thanks 237
\ifthesis@blocks@cover@faculty@ .	
	L
\ifthesis@blocks@cover@field@ 977,988	\1@chapter
\ifthesis@blocks@cover@university@	\length{1}@part
	\lessection
\ifthesis@blocks@titlePage@department@	\lesubsection
\ifthesis@blocks@titlePage@faculty@	\lesubsubsection
	1559, 1570, 1576, 1582, 1585,
\ifthesis@blocks@titlePage@field@	1588, 1600, 1606, 1612, 1615,
	1618, 1630, 1636, 1642, 1645, 1648
\ifthesis@blocks@titlePage@university@	\labelwidth
	1559, 1570, 1576, 1582, 1585,
\ifthesis@color@ 210, 818, 869, 942, 951	1588, 1600, 1606, 1612, 1615,
\ifthesis@cover@	1618, 1630, 1636, 1642, 1645, 1648
210, 831, 954, 1859, 2054, 2143	\language 345
\ifthesis@english <u>153</u> , 1066, 1085, 2072	\languagename 149, 150
\ifthesis@loaded 189, 254, 257	\LARGE 1265, 1302, 1353
\ifthesis@locale@inheritance 165,305	\Large 1264, 1301, 1352, 1477, 1487
\ifthesis@newtable@ 210,824,869	\large 1263, 1300, 1351, 1530
\ifthesis@palatino@ 210, 821, 851, 859	\leavevmode
\ifthesis@style@inheritance . 137, 293	\leftmargin 1248, 1257, 1285, 1294,
\ifthesis@twoside@	1323, 1333, 1557, 1562, 1569,
210, 809, 917, 925, 956, 969, 1104,	1575, 1581, 1584, 1587, 1592,
1861, 1875, 1879, 1912, 2097, 2187	1599, 1605, 1611, 1614, 1617, 1622, 1629, 1635, 1641, 1644, 1647
\ifthesis@woman	\leftmargini 1248,
\ifx 14, 32, 36, 43, 47, 71,	1257, 1285, 1294, 1323, 1333,
79, 142, 149, 159, 170, 245, 260,	1550, 1557, 1559, 1562, 1592, 1622
263, 301, 329, 336, 341, 369, 371,	\leftmarginii 1551,
373, 375, 489, 491, 493, 495, 501,	1569, 1570, 1599, 1600, 1629, 1630
503, 505, 507, 591, 593, 595, 601,	\leftmarginiii <u>1552</u> ,
603, 605, 668, 670, 672, 674, 680,	1575, 1576, 1605, 1606, 1635, 1636
682, 684, 686, 771, 773, 775, 781,	\leftmarginiv 1553,
783, 785, 1050, 1099, 1109, 1114,	1581, 1582, 1611, 1612, 1641, 1642
1658, 1659, 1668, 1676, 1719,	\leftmarginv 1554,
1720, 1740, 1775, 1805, 1840, 1907	1584, 1585, 1614, 1615, 1644, 1645
\ifxetex	\leftmarginvi 1555,
\includegraphics 938, 943, 947, 952	1587, 1588, 1617, 1618, 1647, 1648
\includepdf 1117	\leftskip 1221, 1222
\input	\let 101, 315, 321, 450, 454,
\itemsep 1250, 1259, 1287, 1296,	457, 461, 633, 636, 637, 640, 828, 830, 843, 844, 867, 868, 879, 880,
1325, 1335, 1564, 1573, 1579,	962, 963, 1006, 1007, 1034, 1035,
1594, 1603, 1609, 1624, 1633, 1639	1110, 1142, 1143, 1150, 1156,
1071, 1000, 1007, 1021, 1000, 1007	1110, 1112, 1140, 1100, 1100,

\text{NoadClass} 2 \text{Nong 73, 74, 230, 231, 233, 234, 237, 238, 252} \text{Nowcrease} 316	1158, 1241, 1278, 1316, 1357, 1566, 1596, 1626, 1677, 1729, 1731, 1733, 1735, 1739, 1745, 1747, 1749, 1751, 1752, 1754, 1794, 1796, 1798, 1800, 1804, 1810, 1812, 1814, 1816, 1817, 1819, 2017, 2078, 2080, 2081, 2083, 2084, 2086, 2164, 2166, 2167, 2169, 2170, 2172, 2173, 2175 \ \listoffigures	\normalsize 1236, 1273, 1346,
\long 73, 74, 230, 231, 233, 234, 237, 238, 252 \long 73, 74, 230, 231, 233, 234, 237, 238, 252 \long 73, 74, 230, 231, 233, 234, 237, 238, 252 \long 73, 74, 230, 231, 233, 234, 237, 238, 252 \long M \text{M} \text{M} \text{Mene} \text{1139, 1213, 1473, 1503} \text{Makeatletter} \text{259, 303} \text{Markeatletter} \text{259, 303} 1315, 1319, 1321, 1322, 1324, 1324, 1326, 1329, 1331, 1332, 1334, 1332, 1334, 1332, 1334, 1332, 1334, 1332, 1334, 1332, 1334, 1332, 1334, 1332, 1334, 1332, 1334, 1332, 1334, 1332, 1334, 1332, 1334, 1332, 1334, 1332, 1334, 1332, 1334, 1332, 1334, 1332, 1334, 1332, 1334, 1336, 1326, 1329, 1331, 1332, 1334, 1332, 1334, 1336, 1326, 1329, 1331, 1332, 1334, 1332, 1334, 1336, 1326, 1329, 1331, 1332, 1334,		Р
\text{Nowrcase} \ 316 \ \text{M} \ \text{Nience} \ \text{M} \ \text{Mine} \ \text{1244}, 1246, 1247, 1249, 1253, 1256, 1258, 1274, 1276, \ \text{Mine} \ \text{Mine} \ \text{1139}, 1213, 1473, 1503 \ \text{1292}, 1293, 1295, 1312, 1314, \ \text{Makeatletter} \ 259, 303 \ 1315, 1319, 1321, 1322, 1324, \ \text{Maraginparpush} \ 1399, 1427, 1455 \ \text{Marginparpush} \ 1399, 1427, 1455 \ \text{Marginparwidth} \ 1363, 1367 \ \text{Markboth} \ 1158, \ \text{Markipharmid} \ 1363, 1367 \ \text{Markipharmid}		
M 1255, 1256, 1258, 1274, 1276, 1290, 1281, 1283, 1284, 1286, 1290, 1291, 1293, 1295, 1312, 1314, 1281, 1283, 1284, 1286, 1290, 1291, 1293, 1295, 1312, 1314, 1314, 1322, 1324, 1324, 1322, 1324, 1315, 1319, 1321, 1322, 1324, 1326, 1329, 1331, 1332, 1334, 1336, 1562, 1563, 1564, 1571, 1572, 1384, 1593, 1594, 1593, 1594, 1593, 1594, 1593, 1594, 1593, 1594, 1593, 1594, 1593, 1594, 1601, 1602, 1607, 1608, 1622, 1623, 1624, 1631, 1632, 1637, 1638, 1624, 1631, 1632, 1637, 1638, 1226, 1887, 1992, 2023, 2103, 2193, 1282, 1294,		
\text{Mene} \text{M} \	(Tower case	
\mene	M	
\makeatletter	\m@ne 1139, 1213, 1473, 1503	
\makeatother		
\marginparsep		
\marginparwidth	\marginparpush 1399, 1427, 1455	
\text{\text{Markright}} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
\text{\text{Mmonth} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\marginparwidth 1363, 1367	
\text{Nonth} \ \ \ \ \ N \ \ \ \ \ \		
\text{NeedsTexFormat} \tag{pagenumbering} \text{915}, \text{1126}, 1857, 1992, 2023, 2103, 2193} \text{NeedsTexFormat} \tag{pagestyle} \tag{912, 1127, 1854}, \text{1985, 1981, 2007, 2043, 2131, 2216} \text{par 965, 993, 1009, 1063, 1073, 1082, 1092, 1204, 1223, 1474, 1477, 1000 \text{par 965, 993, 1009, 1063, 1073, 1082, 1092, 1204, 1223, 1474, 1477, 1000 \text{par 183, 184} \text{1487, 1544, 1663, 1693, 1695, 1954} \text{paragraph} \tag{par 1535} \text{paragraph} \tag{par 1535} \text{paragraph} \tag{par 1535} \text{paragraph} \tag{par 1531, 1731, 1731, 1731, 1733, 1735, 1739, 1734, 1747, 1749, 1751, 1752, 1754, 1794, 1796, 1798, 1800, 1804, 1810, 1812, 1814, 1816, 1817, 1819, 2078, 2080, 2081, 2167, 2169, 2170, 2172, 2173, 2175 \text{parskip} \text{parskip} \text{1401, 1429, 1457, 1471, 1486} \text{parskip} \text{parskip} \text{1401, 1429, 1457, 1471, 1486} \text{parskip} \text{parskip} \text{1402, 1430, 1458, 1578, 1608, 1638} \text{paragraph} \tag{parskip} \text{1402, 1430, 1458, 1578, 1608, 1638} \text{parskip} \text{parskip} \text{1504, 1603, 1608, 1622, 1632, 1633, 1638} \text{parskip} \text{1401, 1429, 1457, 1471, 1486} \text{parskip} \text{1401, 1429, 1457, 1471, 1486} \text{parskip} \text{1402, 1430, 1458, 1578, 1608, 1638} \text{parskip} 1402, 1430, 1458, 1578, 1608, 1		
NedsTeXFormat \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\month	
\text{NeedsTeXFormat} \ \$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Nī	
		1120, 1007, 1992, 2023, 2103, 2193
\text{\text{1945}, 1981, 2007, 2043, 2131, 2216} \text{\text{\text{par} . 965, 993, 1009, 1063, 1073, 1082,} \\ \text{\text{\text{newcommand}} 69, 935, 939, 944, 948} \\ \text{\text{\text{lowecometry}}	\NeedsTeYFormat	
\text{Newcommand} \therefore 69, 935, 939, 944, 948 \\ \text{Newcount} \therefore 183, 184 \\ \text{Newgeometry} \therefore 2098, 2188 \\ \text{Newif} 75, 137, 165, 241, 254, 809, 818, \\ \text{Newlength} \text{75, 137, 165, 241, 254, 809, 818, \\ \text{Namif} 75, 137, 165, 241, 254, 809, 818, \\ \text{Namif} 75, 137, 165, 241, 254, 809, 818, \\ \text{Namif} 75, 137, 165, 241, 254, 809, 818, \\ \text{Namif} 75, 137, 165, 241, 254, 809, 818, \\ \text{Namif} \text{Namif} \text{Namif} \text{Nomethat} \therefore 1013, 1015, 1017, 1019, 1095, 1190 \\ \text{Namif}		\pagestyle 912, 1127, 1854,
\newcount	802, 805, 1651, 1709, 1928,	\pagestyle 912, 1127, 1854, 1989, 2020, 2026, 2100, 2106, 2190
\newgeometry	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216	\pagestyle 912, 1127, 1854, 1989, 2020, 2026, 2100, 2106, 2190 \par 965, 993, 1009, 1063, 1073, 1082,
821, 824, 831, 971, 973, 975, 977, 1013, 1015, 1017, 1019, 1095, 1190 Nparfillskip 913, 1128, 1201, Nnewlength 1677, 1729, 1731, 1733, 1735, 1739, 1745, 1747, 1749, 1751, 1752, 1754, 1794, 1796, 1798, 1800, 1804, 1810, 1812, 1814, 1816, 1804, 1819, 2078, 2080, 2081, 1817, 1819, 2078, 2080, 2081, 2083, 2084, 2086, 2164, 2166, 2083, 2084, 2086, 2164, 2166, Nnewpage 922, 930, 933 Nnobreak 1205, 1223, 1474, 1478, 1488 Nnoexpand 279 Nnoindent 1062, 1081, 1105, 1758, 1990, 2021, 2027, 2101, 2107, 2191 Nparsep 1249, 1250, 1258, 1259, 1286, 1287, 1295, 1296, 1324, 1325, 1334, 1335, 1562, 1572, 1573, 1578, 1592, 1602, 1603, 1608, 1622, 1632, 1633, 1638 Npart 1176 Npartopsep 1176 Npartopsep 1176 Npartopsep 1176 Npartopsep 1176 Npartopsep 1176 Npartopsep 1205, 1234, 1638 Npartopsep 1205, 1234 Npartopsep 1205 N	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216 \newcommand 69, 935, 939, 944, 948	\pagestyle 912, 1127, 1854, 1989, 2020, 2026, 2100, 2106, 2190 \par . 965, 993, 1009, 1063, 1073, 1082, 1092, 1204, 1223, 1474, 1477,
1013, 1015, 1017, 1019, 1095, 1190 \parindent	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216 \newcommand 69, 935, 939, 944, 948 \newcount 183, 184	\pagestyle 912, 1127, 1854, 1989, 2020, 2026, 2100, 2106, 2190 \par . 965, 993, 1009, 1063, 1073, 1082, 1092, 1204, 1223, 1474, 1477, 1487, 1544, 1663, 1693, 1695, 1954
\text{Newlength} \tag{157}, \text{1677}, \text{1218}, \text{1470}, \text{1485}, \text{1539}, \text{1855}, \text{1729}, \text{1731}, \text{1733}, \text{1735}, \text{1739}, \text{1790}, \text{2021}, \text{2027}, \text{2101}, \text{2107}, \text{2191}, \text{1745}, \text{1747}, \text{1749}, \text{1751}, \text{1752}, \text{1754}, \text{1794}, \text{1796}, \text{1798}, \text{1800}, \text{1259}, \text{1286}, \text{1287}, \text{1295}, \text{1296}, \text{1814}, \text{1810}, \text{1812}, \text{1814}, \text{1816}, \text{1324}, \text{1325}, \text{1334}, \text{1335}, \text{1562}, \text{1817}, \text{1819}, \text{2078}, \text{2080}, \text{2081}, \text{2081}, \text{2166}, \text{1603}, \text{1608}, \text{1602}, \text{1632}, \text{1633}, \text{1638}, \text{1638}, \text{1638}, \text{1638}, \text{1638}, \text{1638}, \text{1639}, \text{1205}, \text{1223}, \text{1474}, \text{1478}, \text{1488}, \text{1761}, \text{1823}, \text{1826}, \text{1902}, \text{1962}, \text{2196}, \text{196mathsetlength}	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216 \newcommand 69, 935, 939, 944, 948 \newcount 183, 184 \newgeometry 2098, 2188	\pagestyle 912, 1127, 1854,
1729, 1731, 1733, 1735, 1739, 1990, 2021, 2027, 2101, 2107, 2191 1745, 1747, 1749, 1751, 1752, \parsep 1249, 1250, 1258, 1754, 1794, 1796, 1798, 1800, 1259, 1286, 1287, 1295, 1296, 1804, 1810, 1812, 1814, 1816, 1324, 1325, 1334, 1335, 1562, 1817, 1819, 2078, 2080, 2081, 1572, 1573, 1578, 1592, 1602, 2083, 2084, 2086, 2164, 2166, 1603, 1608, 1622, 1632, 1633, 1638 2167, 2169, 2170, 2172, 2173, 2175 \parskip 1401, 1429, 1457, 1471, 1486 \newpage	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216 \newcommand 69, 935, 939, 944, 948 \newcount 183, 184 \newgeometry 2098, 2188 \newif 75, 137, 165, 241, 254, 809, 818, 821, 824, 831, 971, 973, 975, 977,	\pagestyle
1745, 1747, 1749, 1751, 1752, \parsep 1249, 1250, 1258, 1754, 1794, 1796, 1798, 1800, 1259, 1286, 1287, 1295, 1296, 1804, 1810, 1812, 1814, 1816, 1324, 1325, 1334, 1335, 1562, 1817, 1819, 2078, 2080, 2081, 1572, 1573, 1578, 1592, 1602, 2083, 2084, 2086, 2164, 2166, 1603, 1608, 1622, 1632, 1633, 1638 2167, 2169, 2170, 2172, 2173, 2175 \parskip 1401, 1429, 1457, 1471, 1486 \newpage 922, 930, 933 \partopsep 1176 \noexpand 279 1402, 1430, 1458, 1578, 1608, 1638 \noindent 1062, 1081, 1105, 1758, \penalty 124 \partopsep \partopsep 1205, 1224, 1430, 1458, 1578, 1608, 1638 \partopsep \partopsep \partopsep \partopsep \partopsep \part	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216 \newcommand 69, 935, 939, 944, 948 \newcount 183, 184 \newgeometry 2098, 2188 \newif 75, 137, 165, 241, 254, 809, 818, 821, 824, 831, 971, 973, 975, 977, 1013, 1015, 1017, 1019, 1095, 1190	\pagestyle
1754, 1794, 1796, 1798, 1800, 1259, 1286, 1287, 1295, 1296, 1804, 1810, 1812, 1814, 1816, 1324, 1325, 1334, 1335, 1562, 1817, 1819, 2078, 2080, 2081, 1572, 1573, 1578, 1592, 1602, 2083, 2084, 2086, 2164, 2166, 1603, 1608, 1622, 1632, 1633, 1638 2167, 2169, 2170, 2172, 2173, 2175 \parskip 1401, 1429, 1457, 1471, 1486 \newpage	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216 \newcommand 69, 935, 939, 944, 948 \newcount 183, 184 \newgeometry 2098, 2188 \newif 75, 137, 165, 241, 254, 809, 818, 821, 824, 831, 971, 973, 975, 977, 1013, 1015, 1017, 1019, 1095, 1190 \newlength 1677,	\pagestyle
1804, 1810, 1812, 1814, 1816, 1324, 1325, 1334, 1335, 1562, 1817, 1819, 2078, 2080, 2081, 1572, 1573, 1578, 1592, 1602, 2083, 2084, 2086, 2164, 2166, 1603, 1608, 1622, 1632, 1633, 1638 2167, 2169, 2170, 2172, 2173, 2175 \parskip 1401, 1429, 1457, 1471, 1486 \newpage	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216 \newcommand 69, 935, 939, 944, 948 \newcount 183, 184 \newgeometry 2098, 2188 \newif 75, 137, 165, 241, 254, 809, 818, 821, 824, 831, 971, 973, 975, 977, 1013, 1015, 1017, 1019, 1095, 1190 \newlength 1677, 1729, 1731, 1733, 1735, 1739,	\pagestyle
1817, 1819, 2078, 2080, 2081, 1572, 1573, 1578, 1592, 1602, 2083, 2084, 2086, 2164, 2166, 1603, 1608, 1622, 1632, 1633, 1638 2167, 2169, 2170, 2172, 2173, 2175 \parskip 1401, 1429, 1457, 1471, 1486 \nobreak 1205, 1223, 1474, 1478, 1488 \partopsep	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216 \newcommand 69, 935, 939, 944, 948 \newcount 183, 184 \newgeometry 2098, 2188 \newif 75, 137, 165, 241, 254, 809, 818, 821, 824, 831, 971, 973, 975, 977, 1013, 1015, 1017, 1019, 1095, 1190 \newlength 1677, 1729, 1731, 1733, 1735, 1739, 1745, 1747, 1749, 1751, 1752,	\pagestyle
2083, 2084, 2086, 2164, 2166, 1603, 1608, 1622, 1632, 1633, 1638 2167, 2169, 2170, 2172, 2173, 2175 \parskip . 1401, 1429, 1457, 1471, 1486 \newpage 922, 930, 933 \part	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216 \newcommand 69, 935, 939, 944, 948 \newcount 183, 184 \newgeometry 2098, 2188 \newif 75, 137, 165, 241, 254, 809, 818, 821, 824, 831, 971, 973, 975, 977, 1013, 1015, 1017, 1019, 1095, 1190 \newlength 1677, 1729, 1731, 1733, 1735, 1739, 1745, 1747, 1749, 1751, 1752, 1754, 1794, 1796, 1798, 1800,	\pagestyle
2167, 2169, 2170, 2172, 2173, 2175 \parskip .1401, 1429, 1457, 1471, 1486 \newpage .922, 930, 933 \part .1176 \nobreak .1205, 1223, 1474, 1478, 1488 \partopsep \noexpand .279 .1402, 1430, 1458, 1578, 1608, 1638 \noindent .1062, 1081, 1105, 1758, \penalty 1761, 1823, 1826, 1902, 1962, 2196 \pgfmathsetlength	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216 \newcommand 69, 935, 939, 944, 948 \newcount 183, 184 \newgeometry 2098, 2188 \newif 75, 137, 165, 241, 254, 809, 818, 821, 824, 831, 971, 973, 975, 977, 1013, 1015, 1017, 1019, 1095, 1190 \newlength 1677, 1729, 1731, 1733, 1735, 1739, 1745, 1747, 1749, 1751, 1752, 1754, 1794, 1796, 1798, 1800, 1804, 1810, 1812, 1814, 1816,	\pagestyle
\newpage	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216 \newcommand 69, 935, 939, 944, 948 \newcount 183, 184 \newgeometry 2098, 2188 \newif 75, 137, 165, 241, 254, 809, 818, 821, 824, 831, 971, 973, 975, 977, 1013, 1015, 1017, 1019, 1095, 1190 \newlength 1677, 1729, 1731, 1733, 1735, 1739, 1745, 1747, 1749, 1751, 1752, 1754, 1794, 1796, 1798, 1800, 1804, 1810, 1812, 1814, 1816, 1817, 1819, 2078, 2080, 2081,	\pagestyle
\nobreak 1205, 1223, 1474, 1478, 1488 \partopsep	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216 \newcommand 69, 935, 939, 944, 948 \newcount 183, 184 \newgeometry 2098, 2188 \newif 75, 137, 165, 241, 254, 809, 818, 821, 824, 831, 971, 973, 975, 977, 1013, 1015, 1017, 1019, 1095, 1190 \newlength 1677, 1729, 1731, 1733, 1735, 1739, 1745, 1747, 1749, 1751, 1752, 1754, 1794, 1796, 1798, 1800, 1804, 1810, 1812, 1814, 1816, 1817, 1819, 2078, 2080, 2081, 2083, 2084, 2086, 2164, 2166,	\pagestyle
\noexpand	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216 \newcommand 69, 935, 939, 944, 948 \newcount 183, 184 \newgeometry 2098, 2188 \newif 75, 137, 165, 241, 254, 809, 818, 821, 824, 831, 971, 973, 975, 977, 1013, 1015, 1017, 1019, 1095, 1190 \newlength 1677, 1729, 1731, 1733, 1735, 1739, 1745, 1747, 1749, 1751, 1752, 1754, 1794, 1796, 1798, 1800, 1804, 1810, 1812, 1814, 1816, 1817, 1819, 2078, 2080, 2081, 2083, 2084, 2086, 2164, 2166, 2167, 2169, 2170, 2172, 2173, 2175	\pagestyle
\noindent 1062, 1081, 1105, 1758, \penalty 1224 1761, 1823, 1826, 1902, 1962, 2196 \pgfmathsetlength	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216 \newcommand 69, 935, 939, 944, 948 \newcount 183, 184 \newgeometry 2098, 2188 \newif 75, 137, 165, 241, 254, 809, 818, 821, 824, 831, 971, 973, 975, 977, 1013, 1015, 1017, 1019, 1095, 1190 \newlength 1677, 1729, 1731, 1733, 1735, 1739, 1745, 1747, 1749, 1751, 1752, 1754, 1794, 1796, 1798, 1800, 1804, 1810, 1812, 1814, 1816, 1817, 1819, 2078, 2080, 2081, 2083, 2084, 2086, 2164, 2166, 2167, 2169, 2170, 2172, 2173, 2175 \newpage 922, 930, 933	\pagestyle
1761, 1823, 1826, 1902, 1962, 2196 \pgfmathsetlength	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216 \newcommand 69, 935, 939, 944, 948 \newcount 2098, 2188 \newif 75, 137, 165, 241, 254, 809, 818, 821, 824, 831, 971, 973, 975, 977, 1013, 1015, 1017, 1019, 1095, 1190 \newlength 1677, 1729, 1731, 1733, 1735, 1739, 1745, 1747, 1749, 1751, 1752, 1754, 1794, 1796, 1798, 1800, 1804, 1810, 1812, 1814, 1816, 1817, 1819, 2078, 2080, 2081, 2083, 2084, 2086, 2164, 2166, 2167, 2169, 2170, 2172, 2173, 2175 \newpage 922, 930, 933 \nobreak 1205, 1223, 1474, 1478, 1488	\pagestyle
	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216 \newcommand 69, 935, 939, 944, 948 \newcount 2098, 2188 \newif 75, 137, 165, 241, 254, 809, 818, 821, 824, 831, 971, 973, 975, 977, 1013, 1015, 1017, 1019, 1095, 1190 \newlength 1677, 1729, 1731, 1733, 1735, 1739, 1745, 1747, 1749, 1751, 1752, 1754, 1794, 1796, 1798, 1800, 1804, 1810, 1812, 1814, 1816, 1817, 1819, 2078, 2080, 2081, 2083, 2084, 2086, 2164, 2166, 2167, 2169, 2170, 2172, 2173, 2175 \newpage 922, 930, 933 \nobreak 1205, 1223, 1474, 1478, 1488 \noexpand 279	\pagestyle
	802, 805, 1651, 1709, 1928, 1945, 1981, 2007, 2043, 2131, 2216 \newcommand 69, 935, 939, 944, 948 \newcount 2098, 2188 \newif 75, 137, 165, 241, 254, 809, 818, 821, 824, 831, 971, 973, 975, 977, 1013, 1015, 1017, 1019, 1095, 1190 \newlength 1677, 1729, 1731, 1733, 1735, 1739, 1745, 1747, 1749, 1751, 1752, 1754, 1794, 1796, 1798, 1800, 1804, 1810, 1812, 1814, 1816, 1817, 1819, 2078, 2080, 2081, 2083, 2084, 2086, 2164, 2166, 2167, 2169, 2170, 2172, 2173, 2175 \newpage 922, 930, 933 \nobreak 1205, 1223, 1474, 1478, 1488 \noexpand 279 \noindent 1062, 1081, 1105, 1758,	\pagestyle

\ProcessOptions 836	\secdef 1173, 1188, 1498
\protect 1506, 1513, 1515	\section 1529
\ProvidesClass 1	\selectfont 1236, 1243, 1252, 1261,
\ProvidesFile 346,	1262, 1263, 1264, 1265, 1266,
380, 390, 394, 401, 409, 412, 423,	1267, 1273, 1280, 1289, 1298,
434, 436, 444, 462, 512, 524, 533,	
	1299, 1300, 1301, 1302, 1303,
540, 549, 551, 562, 580, 610, 618,	1304, 1312, 1318, 1328, 1337,
641, 691, 703, 712, 719, 727, 729,	1338, 1339, 1340, 1341, 1342, 1343
740, 758, 790, 798, 1234, 1271, 1308	\setcounter 914, 1125, 1131, 1542, 1545,
\ProvidesPackage	1546, 1856, 1991, 2022, 2102, 2192
803, 804, 1652, 1710, 1929,	\setkeys 11,900
1946, 1982, 2008, 2044, 2132, 2217	\setlength 816,
\ps@thesisheadings 1136	817, 887, 888, 889, 1200, 1216,
•	1470, 1471, 1485, 1486, 1679,
R	1741, 1751, 1754, 1806, 1816, 1819
\raisebox 1680	
\refstepcounter	\setmainfont 854
\relax 87, 88, 183, 184, 301, 329,	\setmathfont 855
	\settowidth 1678,
336, 963, 1007, 1113, 1119, 1128,	1729, 1731, 1733, 1735, 1743,
1134, 1196, 1677, 1729, 1731,	1745, 1747, 1749, 1794, 1796,
1733, 1735, 1739, 1745, 1747,	1798, 1800, 1808, 1810, 1812,
1749, 1751, 1752, 1754, 1794,	1814, 2078, 2080, 2081, 2083,
1796, 1798, 1800, 1804, 1810,	2164, 2166, 2167, 2169, 2170, 2172
1812, 1814, 1816, 1817, 1819,	\skip 1386, 1414, 1442
2027, 2078, 2080, 2081, 2083,	\small 962, 1006, 1243, 1280, 1347
2084, 2086, 2107, 2164, 2166,	\space
2167, 2169, 2170, 2172, 2173, 2175	•
\renewcommand 1162, 1176, 1195, 1212,	\string 154, 158, 318, 324
1228, 1229, 1230, 1231, 1236,	\subparagraph
1243, 1252, 1261, 1262, 1263,	\subsection
1264, 1265, 1266, 1267, 1273,	\subsubsection 1130, 1533
1280, 1289, 1298, 1299, 1300,	
1301, 1302, 1303, 1304, 1346,	T
1347, 1348, 1349, 1350, 1351,	\tableofcontents 1038, 2110
1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1757, 1822	\tabular 867
	\tabularx 879
\renewenvironment 873, 881	\textbf 1694,
\RequirePackage 3, 4, 5, 6, 8, 289, 860, 864	1760, 1767, 1769, 1771, 1776,
\RequirePackageWithOptions 291	1779, 1781, 1783, 1825, 1832,
\reset@font . 1530, 1532, 1534, 1536, 1540	
\rightmark 1145, 1148	1834, 1836, 1841, 1844, 1846, 1848
\rightskip 1201, 1218	\textfloatsep 1388, 1416, 1444
\romannumeral 1116	\textheight
\rowcolors	. 1379, 1380, 1407, 1408, 1435, 1436
\rule 1682, 1891	\textit 1105
,	\textwidth 1144, 1147,
S	1381, 1409, 1437, 1755, 1820, 1891
\sc	\the 187, 188, 191, 192, 196
1145, 1148, 1664, 1865, 1888,	\thechapter . 1140, 1477, 1505, 1507, 1548
1955, 2015, 2059, 2074, 2148, 2160	\thepage
\scriptsize 1261, 1298, 1349	\thesis@ 312, 313, 367, 487, 666
	NUMESTSM 317.313.307.487.666

\thesis@@ 72,	1860, 1878, 2019, 2025, 2055,
<u>313</u> , 982, 984, 990, 995, 998, 1024,	2095, 2105, 2109, 2112, 2144, 2185
1026, 1032, 1044, 1053, 1061,	\thesis@blocks@clearRight 924,1704,
1080, 1105, 1664, 1670, 1673,	1918, 1972, 1997, 2033, 2120, 2206
1678, 1683, 1689, 1694, 1955,	\thesis@blocks@cover 210, 953, 1698,
1959, 1961, 1963, 1964, 1965,	1858, 1915, 1938, 1968, 1994,
1966, 2015, 2059, 2060, 2062,	2029, 2053, 2116, 2142, 2202, 2225
2074, 2079, 2082, 2090, 2092,	\thesis@blocks@cover@content
2148, 2149, 2151, 2160, 2165,	
2168, 2171, 2179, 2181, 2182,	\thesis@blocks@cover@department@false
2183, 2195, 2197, 2198, 2199, 2200	
\thesis@@lower 192, 326	\thesis@blocks@cover@faculty@true 974
\thesis@@upper 192, 327	\thesis@blocks@cover@field@false . 978
\thesis@abstract 229, 1062	\thesis@blocks@cover@footer
\thesis@abstractEn	
\thesis@academicYear 185, 194, 1780, 1845	\thesis@blocks@cover@header
\thesis@advisor 235, 1670,	
1694, 1777, 1842, 1908, 1959,	\thesis@blocks@cover@university@true
1966, 2080, 2090, 2166, 2179, 2200	
\thesis@advisorSignature 234	\thesis@blocks@declaration
\thesis@arg	<u>1041</u> , <u>1686</u> , 1702, 1925, 1941,
\thesis@assignmentFiles 239, 1099, 1108	1977, 2003, 2032, 2125, 2212, 2228
\thesis@author 84,	\thesis@blocks@facultyLogo@color .
179, 269, 996, 1047, 1665, 1692,	
1762, 1827, 1872, 1901, 1956,	\thesis@blocks@facultyLogo@monochrome
2065, 2083, 2092, 2154, 2169, 2181	
\thesis@author@head . 86, 179, 1962, 2196	\thesis@blocks@frontMatter
\thesis@author@tail 88, 179	<u>910</u> , 1700, <u>1853</u> , 1916,
\thesis@autofalse248	1940, 1970, <u>1988</u> , 1996, <u>2018</u> ,
\thesis@autotrue 241, 246	2031, 2094, 2117, 2184, 2203, 2227
\thesis@bachelors	\thesis@blocks@keywords 1076,
. 97, 101, 180, 369, 489, 501, 591,	1706, 1975, 2000, 2036, 2123, 2209
601, 668, 680, 771, 781, 1658, 1719	\thesis@blocks@keywordsEn
\thesis@basepath	. 1084, 1976, 2001, 2037, 2124, 2210
<u>12</u> , 19, 23, 27, 33, 53, 60, 65	\thesis@blocks@lof . 829, 830, 1040, 2114
\thesis@blocks@abstract 1057, 1705,	\thesis@blocks@lot . 827, 828, 1039, 2113
1921, 1973, 1998, 2034, 2121, 2207	\thesis@blocks@mainMatter 1123,
\thesis@blocks@abstractEn 1065,	1708, 1927, 1944, 1980, 2006,
1922, 1974, 1999, 2035, 2122, 2208	<u>2024</u> , 2040, <u>2104</u> , 2128, 2215, 2231
\thesis@blocks@assignment	\thesis@blocks@tables 210,
. <u>1095</u> , 1701, 1923, 2002, 2042, 2119	210, 1036, 1707, 1926, 1943, 1979,
\thesis@blocks@assignment@false .	2005, 2039, 2111, 2130, 2214, 2230
	\thesis@blocks@thanks
\thesis@blocks@assignment@true . 1096	1049, 1703, 1924, 1942,
\thesis@blocks@bibEntry	1978, 2004, 2038, 2126, 2213, 2229
. <u>1723</u> , 1919, <u>1960</u> , 1971, <u>2194</u> , 2211	\thesis@blocks@titlePage
\thesis@blocks@bibEntryEn 1787, 1920	999, 1662, 1699, 1877, 1917, 1939,
\thesis@blocks@clear	1969, 1995, 2030, 2118, 2204, 2226
. 911, <u>916</u> , 955, 1000, 1037, 1042,	\thesis@blocks@titlePage@content .
1051, 1101, 1112, 1124, 1687,	. 1008, 1034, 1662, 1953, 2070, 2158
1001, 1101, 1114, 1147, 1007,	. 1000, 1004, 1002, 1700, 2070, 2170

$\verb \thesis@blocks@titlePage@department@fallow the sis@blocks@titlePage@department@fallow the sis@blocks@titlePage@fallow the sis@blocks@titlePage$	Athesis@czech@bib@thesisTitle
	634, 1732, 1767
\thesis@blocks@titlePage@department@tru	
1935, 1952	235, 236, 560, 616, 632, 1727
\thesis@blocks@titlePage@faculty@true	\thesis@czech@declaration
1016	473, 516, 569, 584, 625
\thesis@blocks@titlePage@field@false	\thesis@czech@declarationTitle 482
1020	\thesis@czech@facultyLongName 531
\thesis@blocks@titlePage@field@true	\thesis@czech@facultyName
	470, 530, 536, 543, 550, 557,
\thesis@blocks@titlePage@footer .	565, 583, 613, 621, 1763, 1866, 1889
1010, 1035, 1672, 2075, 2161	\thesis@czech@fieldTitle 476,539,636
\thesis@blocks@titlePage@header .	\thesis@czech@gender@koncovka 462,
	465, 518, 519, 572, 574, 575, 586, 627
\thesis@blocks@titlePage@university@tru	
\theaigehlackeetaa \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qqqqq \qqqqqqqqqqqqqqqqqqqqqqqqqqqqq	\thesis@czech@keywordsTitle . 480,640
\thesis@blocks@toc	\thesis@czech@semester 486
\thesis@blocks@universityLogo@color	\thesis@czech@summer
	\thesis@czech@thanksTitle 481
\thesis@blocks@universityLogo@monochrom	
944	
\thesis@color@false 819	\thesis@czech@typeName@akuzativ .
\thesis@color@setup	500, 600
	\thesis@czech@universityName
1947, 1983, 2009, 2045, 2133, 2218	469, 515, 1764, 1865, 1888
\thesis@color@true 820	\thesis@czech@winter 484
\thesis@cover@false 832	\thesis@date 177, 184, 196, 197
\thesis@cover@true 833	\thesis@day 180, 184
\thesis@czech@abstractTitle	\thesis@declaration \dots $\underline{72}$, 1045 , 1690
479, 527, 554, 624	\thesis@def <u>69</u> , 89,
\thesis@czech@advisorSignature 579	90, 91, 94, 110, 113, 116, 119, 122,
\thesis@czech@advisorTitle	125, 205, 211, 217, 223, 229, 232, 235
	\thesis@department <u>110</u> , 986, 1028,
\thesis@czech@assignment 471,544,566	1765, 1867, 1890, 1964, 2016, 2198
\thesis@czech@authorTitle 478,633	\thesis@departmentEn <u>113</u> , 1830
\thesis@czech@bib@academicYear	\thesis@doctoral 99, 180, 373,
236, 638, 1746, 1779	493, 505, 595, 605, 672, 684, 775, 785
\thesis@czech@bib@advisor	\thesis@empty 14,71
	\thesis@english@abstractTitle
\thesis@czech@bib@author	
	\thesis@english@advisorSignature . 432
\thesis@czech@bib@field	\thesis@english@advisorTitle 357,433
	\thesis@english@advisorTitleEn 450
\thesis@czech@bib@keywords	\thesis@english@assignment 351, 405, 427
	\thesis@english@authorTitle . 358, 454
\thesis@czech@bib@pages	\thesis@english@bib@academicYear .
236, 561, 617, 639, 1748, 1781	
\thesis@czech@bib@programme	\thesis@english@bib@advisor

\thesis@english@bib@author	\thesis@locale@inheritancetrue
\thesis@english@bib@field	\thesis@localepath $27, 304, 306, 308$
	\thesis@logopath . $19,937,941,946,950$
\thesis@english@bib@keywords	\thesis@lower 192,314,
	326, 517, 570, 585, 626, 696, 748, 763
\thesis@english@bib@pages	\thesis@male 77,79
237, 422, 443, 460, 1813, 1846	\thesis@masters
\thesis@english@bib@programme	98, 180, 371, 491, 503, 593,
	603, 670, 682, 773, 783, 1659, 1720
\thesis@english@bib@thesisTitle .	\thesis@month 179, 184, 184
	\thesis@newtable@false 826
\thesis@english@bib@title	\thesis@newtable@old 867, 876
237, 237, 421, 442, 453, 1792	\thesis@newtable@oldx 879, 884
\thesis@english@declaration . 353,382	\thesis@newtable@true 825
\t thesis@english@declarationTitle . 362	\thesis@pages 190, 193,
\thesis@english@facultyLongName . 392	278, 280, 341, 1782, 1847, 1965, 2199
\thesis@english@facultyName	\thesis@palatino@false 823
	\thesis@palatino@true 822 \thesis@parseAuthor 84, 93, 179
404, 410, 418, 426, 435, 439, 447, 1828	\thesis@parseDate 175, 184, 197, 201
\thesis@english@fieldTitle 356, 400, 457	\thesis@place\
\thesis@english@idTitle 363,389	202, 998, 1673, 1871, 1910,
\thesis@english@keywordsTitle	1963, 2064, 2093, 2153, 2183, 2197
360, 461, 1090	\thesis@postamble
\thesis@english@semester366	188, 209, 251, 275, 2041, 2129
\thesis@english@summer365	\thesis@preamble 188,
\thesis@english@thanksTitle 361	209, 250, 274, 1697, 1913, 1937,
\thesis@english@typeName368	1967, 1993, 2028, 2115, 2201, 2224
\thesis@english@universityName	\thesis@programme <u>116</u> , <u>1770</u>
349, 381, 1829	\thesis@programmeEn <u>119</u> , 1835
\thesis@english@winter	\thesis@ptsize 806, 807, 808, 1134
\thesis@exists <u>283</u> , 287, 290	\thesis@require 266, <u>288</u> , 837,
\thesis@faculty <u>107</u> , 131, 134, 309	838, 839, 840, 841, 842, 852, 853,
\thesis@facultyLogo 131, 937, 941 \thesis@field	861, 862, 863, 870, 871, 891, 1717,
<u>122</u> , 990, 1032, 1772, 2172, 2182	1718, 2050, 2051, 2138, 2139, 2140
\thesis@fieldEn 125, 1837	\thesis@requireLocale <u>299</u> , <u>344</u> , <u>1716</u>
\thesis@head 87, 192, 328, 334	\thesis@requireStyle 264, <u>292</u>
\thesis@id	\thesis@requireWithOptions
\thesis@input <u>286</u> , 304, 306, 308	
\thesis@keywords 217, 220, 270	\thesis@rigorous 100,
\thesis@keywordsEn 223, 226	180, 375, 495, 507, 674, 686, 1668,
\thesis@load	1676, 1740, 1775, 1805, 1840, 1907
\thesis@loadedfalse	\thesis@season 184, 186, 190, 367, 487, 666
\thesis@loadedtrue	\thesis@selectLocale
\thesis@locale <u>147</u> , 158,	\thesis@slovak@abstractTitle
260, 261, 313, 326, 327, 343, 344, 345	658, 706, 732
\thesis@locale@inheritance 165	\thesis@slovak@advisorSignature . 757
\thesis@locale@inheritancefalse . 173	\thesis@slovak@advisorTitle 656

\thesis@slovak@assignment 650,723,744	\thesis@titlePage@Large . 226,984,
\thesis@slovak@authorTitle 657	996, 1026, 1340, 1352, 1665, 1866,
\thesis@slovak@bib@pages 739,797	1889, 1956, 2015, 2060, 2073, 2149
\thesis@slovak@bib@title 738,796	\thesis@titlePage@large . 226,986,
\thesis@slovak@declaration	989, 995, 998, 1028, 1031, 1339,
	1351, 1664, 1669, 1673, 1867,
\thesis@slovak@declarationTitle . 661	1871, 1900, 1955, 1958, 2016,
\thesis@slovak@facultyLongName710	2064, 2074, 2076, 2153, 2160, 2162
\thesis@slovak@facultyName 649,709,	\thesis@titlePage@normalsize
715, 722, 728, 735, 743, 761, 793, 801	226, 1311, 1346, 1890, 1904
\thesis@slovak@fieldTitle 655,718	\thesis@titlePage@scriptsize
\thesis@slovak@gender@koncovka	226, 1337, 1349
<u>641</u> , 644, 698, 750, 752, 753, 765	\thesis@titlePage@small 226, 1318, 1347
\thesis@slovak@idTitle 662,702	\thesis@titlePage@tiny 226, 1338, 1350
	\thesis@twoside@false811
\thesis@slovak@keywordsTitle 659	
\thesis@slovak@semester 665	\thesis@twoside@true 813
\thesis@slovak@summer664	\thesis@type <u>97</u> , 369, 371, 373, 375, 378,
\thesis@slovak@thanksTitle 660	489, 491, 493, 495, 498, 501, 503,
\thesis@slovak@typeName 667,770	505, 507, 510, 591, 593, 595, 598,
\thesis@slovak@typeName@akuzativ .	601, 603, 605, 608, 668, 670, 672,
	674, 677, 680, 682, 684, 686, 689,
\thesis@slovak@universityName 648,694	771, 773, 775, 778, 781, 783, 785,
\thesis@slovak@winter	788, 1658, 1659, 1668, 1676, 1719,
	1720, 1740, 1775, 1805, 1840, 1907
\thesis@style <u>134</u> , 263, 264	\thesis@university
\thesis@style@inheritance 137	19, <u>104</u> , 134, 295, 306, 308
\thesis@style@inheritancefalse 145	\thesis@universityLogo <u>128</u> , 946, 950
\thesis@style@inheritancetrue 137, 143	\thesis@upper 192, 320, 327, 1962, 2196
\thesis@stylepath <u>23</u> , 294, 295, 298, 1134	\thesis@version
\thesis@subdir 21, 25, 29, <u>31</u>	
\thesis@tail 88,192,335,340	\thesis@womanfalse 75,80
\thesis@TeXkeywords <u>220</u> , 1081, 1784	\thesis@womantrue 82
\thesis@TeXkeywordsEn . <u>226</u> , 1091, 1849	\thesis@year
\thesis@TeXtitle	178, 183, 184, 367, 487, 666, 1872,
<u>208</u> , 993, 1663, 1899, 1954, 2071, 2159	1910, 1964, 2065, 2093, 2154, 2198
\thesis@TeXtitleEn 214, 2073	\thesislong <u>252</u>
\thesis@thanks <u>237</u> , <u>1050</u> , <u>1054</u>	\thesissetup $\underline{10}$
\thesis@title	\thispagestyle 919,928,
205, 208, 268, 1768, 1963, 2197	958, 1002, 1103, 1165, 1170, 1178,
\thesis@titleEn 211, 214, 1833	1180, 1495, 1863, 1881, 2057, 2146
	\tiny 1262, 1299, 1350
\thesis@titlePage@footnotesize	\topmargin
	\topsep
\thesis@titlePage@Huge	
226, 993, 1343, 1355, 1663, 1869,	1286, 1295, 1326, 1334, 1563,
1899, 1954, 2062, 2071, 2151, 2159	1571, 1577, 1579, 1593, 1601,
\thesis@titlePage@huge 226, 1342, 1354	1607, 1609, 1623, 1631, 1637, 1639
\thesis@titlePage@LARGE	\topskip 1375, 1380, 1408, 1436
226, 982, 1024, 1341,	\twocolumn
1353, 1865, 1888, 1901, 2059, 2148	\typeout 1505

U	W
\undefined 149,341,1050,1099	\widowpenalty 897
\uppercase	\write 279
V	X
\value 927	\x
\vbox	(*
\vfil 993, 1063, 1073,	Y
1082, 1092, 1187, 1663, 1695, 1954	\year 196
\vfill 965, 1009, 1693, 1868, 1870,	7
1898, 1902, 2061, 2063, 2150, 2152 \vskip 989,	Z \z@
991, 994, 1031, 1033, 1046, 1145,	1239, 1246, 1255, 1277, 1283,
1148, 1215, 1475, 1479, 1489,	1292, 1314, 1321, 1331, 1470,
1663, 1691, 1954, 2016, 2089, 2178	1471, 1485, 1486, 1496, 1529,
\vspace 1053, 1891	1531, 1533, 1536, 1578, 1608, 1638
Change History	
TO 0	x-0.1a
v0.0	v0.1e General: add Brno to MU title [JP] 175
General: bachelor project of Daniel Marek under supervision of Petr	v0.1f
Sojka	General: add documentation for hy-
v0.0a	perref [JP] 175
General: changes by Jan Pavlovič to	v0.1g
allow fithesis being backend of	General: change of default size
docbook based system for thesis	$(12pt\rightarrow 11pt)$ [JP]
writing	v0.2.00
v0.1	General: add sk lang [JP, Peter
General: new release, documenta-	Cerensky] set default cls class to
tion editing (CZ only, sorry) [PS] 175	rapport3 [JP] 175 v0.2.01
v0.1a	General: add subsubsection to toc
General: minor documentation changes (CZ only, sorry) [PS] . 175	[JP]
v0.1b	v0.2.02
General: change of default size	General: fix encoding bug [JP] 175
$(11pt\rightarrow 12pt)$ [JP]	v0.2.03
v0.1c	General: fix title spacing [PS, JP] 175
General: default values of	v0.2.04
\facultyname and	General: fix SK declaration [Peter
\@thesissubtitle set for back-	Cerensky, JP] 175
ward compatibility) [PS] 175	v0.2.05
v0.1d	General: add English abstract [JP] . 175
General: removed def schapter from	v0.2.06
fit1*.clo [JP]	General: fix : behind Advisor [JP] . 175

v0.2.07	fithesis2.cls, minor doc ed-
General: escape all Czech let-	its, version numbering of .clo
ters [JP] babel is used instead	fixed, switch to utf8 and ensur-
of stupid package czech [JP]	ing that .dtx compiles. Docu-
\MainMatter should be placed	mentation adjusted to the status
after \tablesofcontents [PS] 175	quo, added link to discussion
v0.2.08	forum (backport of v0.2.14) [PS] 175
General: add change of University	v0.3.04
name [JP] 175	General: Import the url package to
v0.2.09	allow for the use of \url within
General: add EN version of Univer-	the documentation. (backport of
sity name [JP] 175	v0.2.15@r13) [VN] 175
v0.2.10	v0.3.05
General: fix EN name of Acknowl-	General: Added support for change
edgement [JP] 175	typesetting. Restructured the
v0.2.11	code to make it more amenable
General: fix missing fi-logo.mf	to literal programming. Added
[JP,PS] 175	support for \CodelineIndex
v0.2.12	typesetting. Added informa-
General: Licence change to the LPPL	tion about the usage of fithe-
[JP]	sis1 and fithesis2 on the FI unix
v0.2.12a	machines. (backport of v0.2.16)
General: fork fithesis2 by Mr. Fil-	[VN]
ipčík and Janoušek; cf. http://	Minor changes throughout the
github.com/liskin/fithesis 175	text, added a link to the the
v0.3.00	fithesis forums [PS] (backport
General: fi logo is no longer special-	of v0.2.15@r14:15) 175
cased (added eps and PDF),	v0.3.06
\thesislogopath added to	General: Added the colorx package
set the logo directory path,	and the base colors for each fac-
\thesiscolor added to enable	ulty. If the color option is spec-
colorful typo elements [VN] . 175	ified, the tabular environment
v0.3.01	gets redefined and uses the fac- ulty colors to color alternating
General: documentation now uses	table rows to improve readabil-
babel and cmap packages. the	ity. The hyperref links in the
entire file was transcoded into	e-version are now likewise col-
utf8, \thesiscolor was re-	ored according to the chosen fac-
placed by color class option,	ulty, in this case regardless of
added PDF metadata stamping	the presence of the color option.
support [VN]	Dropped the support for type-
v0.3.02	setting theses outside MU. [VN] 175
General: PDF metadata stamping	v0.3.07
added for \thesistitle and	General: Replaced the \thesiswoman
\thesisstudent[VN] \dots 175	command with \thesisgender.
v0.3.03	[VN] 175
General: Small fixes (added \relax	v0.3.08
at \MainMatter), generat-	General: Fixed a non-terminated \if
ing both fithesis.cls (obsolete,	condition. [VN] (backport of
loading fithesis2.cls) and	v0.2.18)

Fixed mostly documentation	Removed an extraneous
errors reported at the new	\thesis@blocks@clear block
fithesis discussion forum (-ti,	withing the definition of
eco→econ, implicit twocolumn,	\thesis@blocks@frontMatter
example extended (font setup),	in the fss style file. Added com-
etc.). [PS] (backport of v0.2.17) 175	ments, fixed clubs and wid-
v0.3.09	ows and removed text overflows
General: A complete refactoring of	within the user guides. Ad-
the class. The class was decom-	justed the colors of various style
posed into a base class, locale	files. Removed the trailing dot in
files and style files. [VN] 175	the bibliographic identification
v0.3.10	within the med and ped style
General: Fixed a typo in the tech-	files. Fixed a typo within the
nical documentation. Updated	technical documentation. Fixed
the Advanced usage chapter of the	the twoside alignment of the
user guide. The required pack-	\thesis@blocks@bibEntry and
aged listed in Section 2.2 of the	the \thesis@blocks@bibEntryEn
user guide are now always cor-	blocks within the sci style file.
rect. Adjusted the footer spac-	The \thesis@blocks@assignment
ing in the styles of econ and fi.	block no longer clears a page
Added Advanced usage chapter	when nothing is inserted.
to the user guide. Added the	It is also no longer hard-
description of basic options into	coded to be hidden for rig-
the user guide. Added the table	orous theses. Instead, the
and oldtable options. Added	\ifthesis@blocks@assignment
the type field to the guide for	conditional can be set either by
completeness. [VN] 175	the subsequently loaded style
v0.3.11	files or by the user. So far, only
General: Added hyphenation	the fi and sci style files set the
into the technical documen-	conditional. [VN] 175
tation. Fixed an untermi-	v0.3.14
nated group. Polished the	General: Updated the documenta-
text of the guide. Added the	tion. [VN]
palatino and nopalatino op-	v0.3.15
tions. Stylistic changes to the text of the technical documenta-	General: Renamed \thesis@requireStyle
tion. \thesis@subdir is now	to \thesis@requireWithOptions
robust against relative paths.	and moved the style loader from
Accounted for French spac-	the \thesis@load routine to
ing in the guide. Fixed the	a new \thesis@requireStyle
thesis@english@facultyName	macro to make the semantics
string. Documentation refine-	of \thesis@requireLocale and
ments. [VN] 175	\thesis@requireStyle more
v0.3.12	similar. Changed the basepath,
General: The subsections and sub-	logopath, localepath and
subsections now use the correct	stylepath keys to match the
tocdepth. $[VN]$ 175	lower camelcasing of the rest
v0.3.13	of the keys. Added further de-
General: Fixed an inconsis-	scription regarding the use of
tency in the example code.	the assignment key. [VN] 175

v0.3.16	oper example files. Renamed
General: Clubs and widows are	docstrip.cfg to LICENSE.tex
now set to be infinitely bad.	to better describe its role. The
The assignment key has weaker,	fithesis.dtx file now gener-
but more robust semantics now.	ates a VERSION. tex file contain-
[VN] 175	ing the version of the package,
v0.3.17	when it's being typeset. Flat-
General: Changed a forgotten	tened the logo/ directory struc-
\thesis@@lower{} invo-	ture. [VN] 175
cation in the definition of	v0.3.19
\thesis@czech@declaration	V0.3.19
for the Faculty of Arts into	General: Updated the license.
<pre>\thesis@@lower{czech@},</pre>	Added the fithesis- pre-
so that the macro always ex-	fix to locale files. Proof-
pands to the correct output re-	read and updated the doc-
gardless of the current locale.	umentation. Encapsu-
This is merely a matter of con-	lated the localeInheritance
sistency, since the style file of the	and styleInheritance
Faculty of Arts only uses Czech	setters. Added the
strings within the Czech locale.	<pre>\thesis@selectLocale{},</pre>
Removed an extraneous com-	which acts as a replacement
ment. Fixed a unit test. Fixed a	<pre>for \def\thesis@locale{},</pre>
changelog entry. [VN] 175	which also switches hyphen-
v0.3.18	ation patterns. The macro
General: A bulk of changes required	definitions inside locale files
to submit the document class to	are now global to account for
CTAN: Changed the structure of	the fact that it now makes
the output fithesis3.ctan.zip	sense to include locale files
archive. Updated the license	on-site (and therefore possi-
notice. Added a README file.	bly inside a group) using the
Canonicalized a url within the	\thesis@selectLocale. The
user guides. Renamed the	class files are now generated
root directory from fithesis3/	using the XeTeX engine, which
to fithesis/. Refactored	preserves the characters outside
the makefiles. Added devel-	ASCII 175