

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

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## Abstract

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

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## 1 Required classes and packages

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

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

The class also requires the following packages:

- `keyval` – Adds support for parsing comma-delimited lists of key-value pairs.
- `etoolbox` – Adds support for expanding code after the preamble using the `\AtPreamble` hook.
- `ltxcmds` – Implements several commands from the  $\text{\LaTeX}$  kernel. Used for the `\ltx@ifpackageloaded` command, which – unlike its `\@ifpackageloaded` counterpart – can be used outside the preamble.
- `ifxetex` – Used to detect the  $\text{\XeTeX}$  engine.
- `ifluatex` – Used to detect the  $\text{\LuaTeX}$  engine.
- `inputenc` – Used to enable the input UTF-8 encoding. This package does not get loaded under the  $\text{\XeTeX}$  and  $\text{\LuaTeX}$  engines.

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

```
5 \RequirePackage{keyval}
6 \RequirePackage{etoolbox}
7 \RequirePackage{ltxcmds}
8 \RequirePackage{ifxetex}
9 \RequirePackage{ifluatex}
10 \ifxetex\else\ifluatex\else
11   \RequirePackage[utf8]{inputenc}
12 \fi\fi
```

## 2 Public API

### 2.1 Options

Any `[<options>]` passed to the class will be handed down to the loaded style files. The supported options are therefore documented in the subsections of Section 3.6

dedicated to the respective style files. At the moment, all options are processed by the `style/mu/fithesis-base.sty` style file documented in Section 3.6.2.2.

## 2.2 The `\thesissetup` macro

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

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

```
13 \def\thesissetup#1{%
14   \setkeys{thesis}{#1}}
```

### 2.2.1 The `basePath` key

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

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

### `\thesis@logopath` 2.2.2 The `logoPath` key

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

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

### `\thesis@stylepath` 2.2.3 The `stylePath` key

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

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

### `\thesis@localepath` 2.2.4 The `localePath` key

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

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

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

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

```

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

```

`\thesis@def` The `\thesis@def[⟨key⟩]{⟨name⟩}` macro defines the `\thesis@name` macro to expand to either `⟨key⟩`, if specified, or to `⟨name⟩`. The macro serves to provide placeholder strings for macros with no default value.

```

72 \newcommand{\thesis@def}[2][{}]{%
73   \expandafter\def\csname thesis@#2\endcsname{%
74     <<\ifx\thesis@empty#1\thesis@empty#2\else#1\fi>>}}

```

#### `\thesis@declaration` 2.2.5 The declaration key

The `{⟨declaration=⟨text⟩}` pair sets the declaration *text* to be included into the document. The *text* is stored within the `\thesis@declaration` macro, whose implicit value is `\thesis@@{declaration}`.

```

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

```

#### `\ifthesis@woman` 2.2.6 The gender key

The `{⟨gender=⟨char⟩}` 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.

```

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

```

`\thesis@author` **2.2.7 The author key**

The `{\author=name}}` 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.

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

`\thesis@id` **2.2.8 The id key**

The `{\id=identifier}}` 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.

```
97 \thesis@def{id}
98 \define@key{thesis}{id}{%
99   \def\thesis@id{#1}}
```

`\thesis@type` **2.2.9 The type key**

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

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

The *type* is stored within the `\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@bachelors
\thesis@masters
\thesis@doctoral
```



\thesis@rigorous macros containing the corresponding *type* values are available as a part of the private API.

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

#### \thesis@university 2.2.10 The university key

The  $\{\langle\text{university}=\text{identifier}\rangle\}$  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.

```
107 \def\thesis@university{mu}
108 \define@key{thesis}{university}{%
109   \def\thesis@university{#1}}
```

#### \thesis@faculty 2.2.11 The faculty key

The  $\{\langle\text{faculty}=\text{identifier}\rangle\}$  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 <i>domain</i> name
The Faculty of Informatics	fi
The Faculty of Science	sci
The Faculty of Law	law
The Faculty of Economics and Administration	econ
The Faculty of Social Studies	fss
The Faculty of Medicine	med
The Faculty of Education	ped
The Faculty of Arts	phil
The Faculty of Sports Studies	fsps

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

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

`\thesis@department` **2.2.12 The department key**

The `{\langle department=name\rangle}` pair sets the name of the department, at which the thesis is being written, to *name*. Unlike the university and faculty identifiers, the department *name* is only used for typesetting and it should therefore be specified in plain language with optional T<sub>E</sub>X macros. The *name* is stored within the `\thesis@department` macro.

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

`\thesis@departmentEn` **2.2.13 The departmentEn key**

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

```
116 \thesis@def{departmentEn}  
117 \define@key{thesis}{departmentEn}{%  
118   \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 T<sub>E</sub>X macros. The *name* is stored within the `\thesis@programme` macro.

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

`\thesis@programmeEn` **2.2.15 The programmeEn key**

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

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

`\thesis@field` **2.2.16 The field key**

The `{\langle 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 T<sub>E</sub>X macros. The *name* is stored within the `\thesis@field` macro.

```

125 \thesis@def{field}
126 \define@key{thesis}{field}{%
127   \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 study to *name*. The *name* is stored within the `\thesis@fieldEn` macro.

```

128 \thesis@def{fieldEn}
129 \define@key{thesis}{fieldEn}{%
130   \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 T<sub>E</sub>X directory structure. The logo file is loaded from the `\thesis@logopath\thesis@universityLogo` path.

```

131 \def\thesis@universityLogo{fithesis-base}
132 \define@key{thesis}{universityLogo}{%
133   \def\thesis@universityLogo{#1}}

```

#### `\thesis@facultyLogo` **2.2.19 The facultyLogo key**

The `{\facultyLogo=filename}` pair sets the filename of the logo file to be used 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 T<sub>E</sub>X directory structure. The logo file is loaded from the `\thesis@logopath\thesis@facultyLogo` path.

```

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

```

137 \def\thesis@style{\thesis@university/fithesis-\thesis@faculty}
138 \define@key{thesis}{style}{%
139   \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 ... \else ... \fi` conditional. Inheritance is enabled for style files by default.

```
140 \newif\ifthesis@style@inheritance\thesis@style@inheritancetrue
141 \define@key{thesis}{styleInheritance}[true]{%
142   \begingroup
143   \def\@true{true}%
144   \def\@arg{#1}%
145   \ifx\@true\@arg
146     \endgroup\thesis@style@inheritancetrue
147   \else
148     \endgroup\thesis@style@inheritancefalse
149   \fi}
```

### `\thesis@locale` 2.2.22 The `locale` key

The `{\locale=name}` 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).

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

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

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

```

166     false%
167 \fi\endcsname}

```

## \thesis@locale@inheritance 2.2.23 The localeInheritance key

The `{\localeInheritance=bool}` 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.

```

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

```

## 2.2.24 The date key

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

<code>\thesis@parseDate</code>	
<code>\thesis@date</code>	• <code>\thesis@date</code> – The entire <i>date</i>
<code>\thesis@year</code>	• <code>\thesis@year</code> – The YYYY part of <i>date</i>
<code>\thesis@month</code>	• <code>\thesis@month</code> – The MM part of <i>date</i>
<code>\thesis@day</code>	• <code>\thesis@day</code> – The DD part of <i>date</i>
<code>\thesis@season</code>	• <code>\thesis@season</code> – Expands to either: <ul style="list-style-type: none"> <li>– spring if <math>2 &gt; \text{MM} &lt; 9</math>,</li> <li>– fall if <math>2 \leq \text{MM} \leq 9</math>.</li> </ul>
<code>\thesis@academicYear</code>	• <code>\thesis@academicYear</code> – The academic year of the given semester: <ul style="list-style-type: none"> <li>– YYYY – 1/YYYY if <math>\text{MM} &lt; 9</math>.</li> <li>– YYYY/YYYY + 1 if <math>\text{MM} \geq 9</math></li> </ul>

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

```

178 \def\thesis@parseDate#1/#2/#3|{{
179   % Set the basic macros
180   \gdef\thesis@date{#1/#2/#3}%
181   \gdef\thesis@year{#1}%
182   \gdef\thesis@month{#2}%
183   \gdef\thesis@day{#3}%
184
185   % Set the season
186   \newcount\@month\expandafter\@month\thesis@month\relax
187   \ifnum\@month>8\gdef\thesis@season{fall}
188   \else\ifnum\@month<3\gdef\thesis@season{fall}
189   \else \gdef\thesis@season{spring}
190   \fi\fi
191
192   % Set the academic year
193   \newcount\@year\expandafter\@year\thesis@year\relax
194   \ifnum\@month>8%
195     \edef\@yearA{\the\@year}%
196     \advance\@year 1\edef\@yearB{\the\@year}%
197   \else
198     \advance\@year-1\edef\@yearA{\the\@year}%
199     \advance\@year 1\edef\@yearB{\the\@year}%
200   \fi
201   \global\edef\thesis@academicYear{\@yearA/\@yearB}}
202
203 \edef\thesis@date{\the\year/\the\month/\the\day}%
204 \expandafter\thesis@parseDate\thesis@date|
205
206 \define@key{thesis}{date}{{}%
207   \edef\@date{#1}%
208   \expandafter\thesis@parseDate\@date|}}

```

#### `\thesis@place` **2.2.25 The place key**

The `{\place=place}` 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.

```

209 \def\thesis@place{Brno}
210 \define@key{thesis}{place}{{}%
211   \def\thesis@place{#1}}

```

#### `\thesis@title` **2.2.26 The title key**

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

```

212 \thesis@def{title}
213 \define@key{thesis}{title}{%
214   \def\thesis@title{#1}}

```

#### `\thesis@TeXtitle` **2.2.27 The TeXtitle key**

The `{\TeXtitle=title}` 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`.

```

215 \def\thesis@TeXtitle{\thesis@title}
216 \define@key{thesis}{TeXtitle}{%
217   \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.

```

218 \thesis@def{titleEn}
219 \define@key{thesis}{titleEn}{%
220   \def\thesis@titleEn{#1}}

```

#### `\thesis@TeXtitleEn` **2.2.29 The TeXtitleEn key**

The `{\TeXtitleEn=title}` pair sets the English  $\TeX$  title of the thesis to *title*. The *title* is used, when typesetting the title, whereas `\thesis@titleEn` is a plain text, 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`.

```

221 \def\thesis@TeXtitleEn{\thesis@titleEn}
222 \define@key{thesis}{TeXtitleEn}{%
223   \def\thesis@TeXtitleEn{#1}}

```

#### `\thesis@keywords` **2.2.30 The keywords key**

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

```

224 \thesis@def{keywords}
225 \define@key{thesis}{keywords}{%
226   \def\thesis@keywords{#1}}

```

`\thesis@TeXkeywords` **2.2.31 The TeXkeywords key**

The `{\TeXkeywords=list}` pair sets the TeX keywords of the thesis to the comma-delimited *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.

```
227 \def\thesis@TeXkeywords{\thesis@keywords}
228 \define@key{thesis}{TeXkeywords}{%
229   \def\thesis@TeXkeywords{#1}}
```

`\thesis@keywordsEn` **2.2.32 The keywordsEn key**

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

```
230 \thesis@def{keywordsEn}
231 \define@key{thesis}{keywordsEn}{%
232   \def\thesis@keywordsEn{#1}}
```

`\thesis@TeXkeywordsEn` **2.2.33 The TeXkeywordsEn key**

The `{\TeXkeywordsEn=list}` 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.

```
233 \def\thesis@TeXkeywordsEn{\thesis@keywordsEn}
234 \define@key{thesis}{TeXkeywordsEn}{%
235   \def\thesis@TeXkeywordsEn{#1}}
```

`\thesis@abstract` **2.2.34 The abstract key**

The `{\abstract=text}` pair sets the abstract of the thesis to *text*. The *text* is stored within the `\thesis@abstract` macro.

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

`\thesis@abstractEn` **2.2.35 The abstractEn key**

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

```
239 \thesis@def{abstractEn}
240 \long\def\KV@thesis@abstractEn#1{%
241   \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.

```
242 \thesis@def{advisor}  
243 \define@key{thesis}{advisor}{\def\thesis@advisor{#1}}
```

`\thesis@thanks` **2.2.37 The thanks key**

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

```
244 \long\def\KV@thesis@thanks#1{%  
245   \long\def\thesis@thanks{#1}}
```

`\thesis@assignmentFiles` **2.2.38 The assignment key**

The `{\assignment=list}` 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.

```
246 \define@key{thesis}{assignment}{%  
247   \def\thesis@assignmentFiles{#1}}
```

`\ifthesis@auto` **2.2.39 The autoLayout key**

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

```
248 \newif\ifthesis@auto\thesis@autotrue  
249 \define@key{thesis}{autoLayout}[true]{%  
250   \def\@true{true}%  
251   \def\@arg{#1}%  
252   \ifx\@true\@arg%  
253     \thesis@autotrue%  
254   \else%  
255     \thesis@autofalse%  
256   \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.

```
257 \def\thesis@preamble{}  
258 \def\thesis@postamble{}
```

## 2.3 The `\thesislong` macro

`\thesislong` The public macro `\thesislong{<key>}{<value>}`, 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`

```
259 \long\def\thesislong#1#2{%  
260   \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.

`\ifthesis@loaded` The `\ifthesis@loaded` semaphore ensures that the expansion is only performed once.

```
261 \newif\ifthesis@loaded\thesis@loadedfalse  
262 \AtEndPreamble{\thesis@load}  
263 \def\thesis@load{%  
264   \ifthesis@loaded\else%  
265     \thesis@loadedtrue  
266     \makeatletter%
```

First, the main locale is selected and its files are loaded using the `\thesis@selectLocale` macro. If the user specified an explicit empty string as the value of `\thesis@locale`, do nothing.

```
267   \ifx\thesis@locale\empty\else  
268     \thesis@requireLocale{\thesis@locale}  
269     \thesis@selectLocale{\thesis@locale}  
270   \fi
```

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

```
271   \ifx\thesis@style\empty\else  
272     \thesis@requireStyle{\thesis@style}  
273   \fi
```

With the placeholder strings loaded from the locale files, we can now inject meta-data 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 2015/11/20 v0.3.25 fithesis3 MU thesis class.

```
274 \thesis@require{hyperref}%
275 {\hypersetup{unicode,
276 pdftitle={\thesis@title},%
277 pdfauthor={\thesis@author},%
278 pdfkeywords={\thesis@keywords},%
279 pdfcreator={\thesis@version},%
280 }}%
```

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.

```
281 \ifthesis@auto%
282 \AtBeginDocument{\thesis@preamble}%
283 \AtEndDocument{\thesis@postamble}%
284 \fi%
```

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

```
285 \AtEndDocument{%
286 % Define \thesis@pages for the next run
287 \write\@auxout{\noexpand\gdef\noexpand%
288 \thesis@pages{\thepage}}%
289 \makeatother%
290 \fi}
```

### 3.2 File manipulation macros

`\thesis@exists` The `\thesis@exists{<file>}{<tokens>}` 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.

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

`\thesis@input` The `\thesis@input{<file>}` macro inputs the given *file*, if it exists.

```
294 \def\thesis@input#1{%
295 \thesis@exists{#1}{\input{#1}}}
```

<code>\thesis@require</code>	<p>The <code>\thesis@require{⟨package⟩}</code> expands to <code>\RequirePackage{⟨package⟩}</code>, if the specified <i>package</i> has not yet been loaded.</p> <pre> 296 \def\thesis@require#1{% 297   \ifpackageloaded{#1}{}\RequirePackage{#1}} </pre>
<code>\thesis@requireWithOptions</code>	<p>The <code>\thesis@requireWithOptions{⟨package⟩}</code> expands to <code>\RequirePackageWithOptions{⟨package⟩}</code>, if the specified <i>package</i> exists and has not yet been loaded.</p> <pre> 298 \def\thesis@requireWithOptions#1{\thesis@exists{#1.sty}{% 299   \ifpackageloaded{#1}{}\RequirePackageWithOptions{#1}}}% </pre>
<code>\thesis@requireStyle</code>	<p>If inheritance is enabled for style files, then the <code>\thesis@requireStyle{⟨style⟩}</code> macro sequentially loads each of the following files, provided they exist:</p> <ol style="list-style-type: none"> <li>1. <code>\thesis@stylepath fithesis-base.sty</code></li> <li>2. <code>\thesis@stylepath\thesis@university/fithesis-base.sty</code></li> <li>3. <code>\thesis@stylepath style.sty</code></li> </ol> <p>If inheritance is disabled for style files, then only the last listed file is loaded. The <code>fithesis-</code> prefix serves to prevent package clashes with other similarly named package files within the <math>\TeX</math> directory structure.</p> <pre> 300 \def\thesis@requireStyle#1{% 301   \ifthesis@style@inheritance% 302     \thesis@requireWithOptions{\thesis@stylepath fithesis-base}% 303     \thesis@requireWithOptions{\thesis@stylepath\thesis@university% 304       /fithesis-base}% 305   \fi% 306   \thesis@requireWithOptions{\thesis@stylepath#1}% </pre>
<code>\thesis@requireLocale</code>	<p>If inheritance is enabled for style files, then the <code>\thesis@requireLocale{⟨locale⟩}</code> macro sequentially loads each of the following locale files, provided they exist:</p> <ol style="list-style-type: none"> <li>1. <code>\thesis@localepath fithesis-locale.def</code></li> <li>2. <code>\thesis@localepath\thesis@university/fithesis-locale.def</code></li> <li>3. <code>\thesis@localepath\thesis@university/\thesis@faculty/fithesis-locale.def</code></li> </ol> <p>If inheritance is disabled for locale files, then only the first listed file is loaded. The <code>fithesis-</code> prefix serves to prevent clashes with other similarly named files within the <math>\TeX</math> directory structure. To prevent undesirable side effects from locale files being loaded multiple times, the <code>\thesis@locale@required</code> macro is defined as a flag, which prevents future invocations with the same <i>locale</i>. The macro can be used within both locale and style files, although the usage within locale files is strongly discouraged to prevent circular dependencies.</p> <p>If the <code>polyglossia</code> package is being used, its definitions for the respective locale get loaded as well. As a consequence, this command may not be used within the document, but only in the preamble.</p>

```

307 \def\thesis@requireLocale#1{%
308   % Ignore redundant requests
309   \expandafter\ifx\csname thesis@#1@required\endcsname\relax%
310   \expandafter\def\csname thesis@#1@required\endcsname{}%
311   \@ifpackageloaded{polyglossia}{\setotherlanguage{#1}}{}
312   \thesis@input{\thesis@localepath fithesis-#1.def}%
313   \ifthesis@locale@inheritance%
314     \thesis@input{\thesis@localepath\thesis@university/%
315       fithesis-#1.def}%
316     \thesis@input{\thesis@localepath\thesis@university/%
317       \thesis@faculty/fithesis-#1.def}%
318   \fi
319 \fi}

```

### 3.3 String manipulation macros

`\thesis@` The `\thesis@{<name>}` macro expands to `\thesis@name`, where *name* gets fully expanded and can therefore contain active characters and command sequences.

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

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

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

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

```

322 \def\thesis@lower#1{{%
323   \let\ea\expandafter%
324   \ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\lowercase\ea\ea\ea
325   \ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea
326   \ea\ea\ea\ea\ea\ea\@gobble\ea\ea\ea\string\ea\csname\csname the%
327   sis@#1\endcsname\endcsname}}}
328 \def\thesis@upper#1{{%
329   \let\ea\expandafter%
330   \ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\uppercase\ea\ea\ea
331   \ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea
332   \ea\ea\ea\ea\ea\ea\@gobble\ea\ea\ea\string\ea\csname\csname the%
333   sis@#1\endcsname\endcsname}}}

```

`\thesis@@lower` 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.

```

334 \def\thesis@lower#1{\thesis@lower{\thesis@locale @#1}}
335 \def\thesis@upper#1{\thesis@upper{\thesis@locale @#1}}

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

336 \def\thesis@head#1 #2{%
337   \ifx\relax#2%
338     \expandafter\@gobbletwo%
339   \else%
340     \ #1%
341   \fi%
342   \thesis@head#2}%
343 \def\thesis@tail#1 #2{%
344   \ifx\relax#2%
345     #1%
346     \expandafter\@gobbletwo%
347   \fi%
348   \thesis@tail#2}%

```

### 3.4 General purpose macros

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

```

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

```

`\thesis@selectLocale` `\thesis@selectLocale{<locale>}` macro redefines the `\thesis@locale` macro to *locale*, and switches to the hyphenation patterns of *locale*. The respective locale files and polyglossia locale definitions should be loaded beforehand using the `\thesis@requireLocale` macro.

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

```

350 \def\thesis@selectLocale#1{%
351   \edef\thesis@locale{#1}%
352   \ltx@ifpackageloaded{polyglossia}{%
353     \selectlanguage{\thesis@locale}
354   }{%
355     \language\csname l@\thesis@locale\endcsname
356   }}

```

### 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{<filename>}` is available for the sectioning of the

`\file`

documentation of various files within the dtx file. For more information about dtx files and the docstrip tool, consult the dtxut, docstrip, doc and ltxdoc 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@spring` – The name of the spring semester
- `\thesis@locale@fall` – The name of the fall semester
- `\thesis@locale@semester` – The full name of the current semester
- `\thesis@locale@typeName` – The name of the thesis type

where *locale* is the name of the locale.

## 3.5.2 English locale files

### 3.5.2.1 The locale/fithesis-english.def file

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

```
357 \ProvidesFile{fithesis/locale/fithesis-english.def}[2015/11/10]
358
359 % Placeholders
360 \gdef\thesis@english@universityName{University name}
361 \gdef\thesis@english@facultyName{Faculty name}
362 \gdef\thesis@english@assignment{Replace this page with a copy
363   of the official signed thesis assignment.}
364 \gdef\thesis@english@declaration{Declaration text ...}
365
366 % Miscellaneous
367 \gdef\thesis@english@fieldTitle{Field of study}
368 \gdef\thesis@english@advisorTitle{Advisor}
369 \gdef\thesis@english@authorTitle{Author}
370 \gdef\thesis@english@abstractTitle{Abstract}
371 \gdef\thesis@english@keywordsTitle{Keywords}
372 \gdef\thesis@english@thanksTitle{Acknowledgement}
373 \gdef\thesis@english@declarationTitle{Declaration}
374 \gdef\thesis@english@idTitle{ID}
375 \gdef\thesis@english@spring{Spring}
376 \gdef\thesis@english@fall{Fall}
377 \gdef\thesis@english@semester{%
378   \thesis@{english@\thesis@season} \thesis@year}
379 \gdef\thesis@english@typeName{%
380   \ifx\thesis@type\thesis@bachelors%
381     Bachelor's Thesis%
382   \else\ifx\thesis@type\thesis@masters%
383     Master's Thesis%
384   \else\ifx\thesis@type\thesis@doctoral%
385     Doctoral Thesis%
386   \else\ifx\thesis@type\thesis@rigorous%
387     Rigorous Thesis%
388   \else%
389     <<Unknown thesis type (\thesis@type)>>%
390   \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.

```
391 \ProvidesFile{fithesis/locale/mu/fithesis-english.def}[2015/06/26]
392 \gdef\thesis@english@universityName{Masaryk University}
393 \gdef\thesis@english@declaration{%
394   Hereby I declare that this paper is my original authorial work,
```



```

395 which I have worked out by my own. All sources, references and
396 literature used or excerpted during elaboration of this work are
397 properly cited and listed in complete reference to the due source.}
398
399 % Miscellaneous
400 \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.

```

401 \ProvidesFile{fithesis/locale/mu/law/fithesis-english.def}[2015/06/26]
402 \gdef\thesis@english@facultyName{Faculty of Law}
403 \gdef\thesis@english@facultyLongName{The Faculty of Law of the
404 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.

```

405 \ProvidesFile{fithesis/locale/mu/fsps/fithesis-english.def}[2015/06/26]
406
407 % Placeholders
408 \gdef\thesis@english@facultyName{Faculty of Sports Studies}
409
410 % Miscellaneous
411 \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.

```

412 \ProvidesFile{fithesis/locale/mu/fss/fithesis-english.def}[2015/06/26]
413
414 % Placeholders
415 \gdef\thesis@english@facultyName{Faculty of Social Studies}
416 \gdef\thesis@english@assignment{Replace this page with a copy
417 of the official signed thesis assignment or the copy of the
418 Statement of an Author or both, depending on the requirements of
419 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.

```
420 \ProvidesFile{fithesis/locale/mu/econ/fithesis-english.def}[2015/06/26]
421 \gdef\thesis@english@facultyName{Faculty of Economics
422   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.

```
423 \ProvidesFile{fithesis/locale/mu/med/fithesis-english.def}[2015/06/26]
424
425 % Miscellaneous
426 \gdef\thesis@english@abstractTitle{Annotation}
427
428 % Placeholders
429 \gdef\thesis@english@facultyName{Faculty of Medicine}
430
431 % Bibliographic entry
432 \gdef\thesis@english@bib@title{Bibliographic record}
433 \gdef\thesis@english@bib@pages{p}
```

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

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

```
434 \ProvidesFile{fithesis/locale/mu/fi/fithesis-english.def}[2015/06/26]
435
436 % Placeholders
437 \gdef\thesis@english@facultyName{Faculty of Informatics}
438 \gdef\thesis@english@assignment{Replace this page with a copy
439   of the official signed thesis assignment and the copy of the
440   Statement of an Author.}
441
442 % Others
443 \gdef\thesis@english@advisorSignature{Signature of Thesis
444   \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.

```
445 \ProvidesFile{fithesis/locale/mu/phil/fithesis-english.def}[2015/06/26]
446 \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.

```
447 \ProvidesFile{fithesis/locale/mu/ped/fithesis-english.def}[2015/06/26]
448
449 % Placeholders
450 \gdef\thesis@english@facultyName{Faculty of Education}
451
452 % Bibliographic entry
453 \gdef\thesis@english@bib@title{Bibliographic record}
454 \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.

```
455 \ProvidesFile{fithesis/locale/mu/sci/fithesis-english.def}[2015/06/26]
456
457 % Placeholders
458 \gdef\thesis@english@facultyName{Faculty of Science}
459
460 % Miscellaneous
461 \global\let\thesis@english@advisorTitleEn=\thesis@english@bib@advisor
462
463 % Bibliographic entry
464 \gdef\thesis@english@bib@title{Bibliographic entry}
465 \global\let\thesis@english@bib@author\thesis@english@authorTitle
466 \gdef\thesis@english@bib@thesisTitle{Title of Thesis}
467 \gdef\thesis@english@bib@programme{Degree Programme}
468 \global\let\thesis@english@bib@field\thesis@english@fieldTitle
469 \gdef\thesis@english@bib@advisor{Supervisor}
470 \gdef\thesis@english@bib@academicYear{Academic Year}
471 \gdef\thesis@english@bib@pages{Number of Pages}
472 \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.

```
473 \ProvidesFile{fithesis/locale/fithesis-czech.def}[2015/11/17]
474
475 % Pomocná makra
476 \gdef\thesis@czech@gender@koncovka{%
477   \ifthesis@woman a\fi}
478
479 % Zástupné texty
480 \gdef\thesis@czech@universityName{Název univerzity}
481 \gdef\thesis@czech@facultyName{Název fakulty}
482 \gdef\thesis@czech@assignment{Místo tohoto listu vložte kopii
483   oficiálního podepsaného zadání práce.}
484 \gdef\thesis@czech@declaration{Text prohlášení ...}
485
486 % Různé
487 \gdef\thesis@czech@fieldTitle{Obor}
488 \gdef\thesis@czech@advisorTitle{Vedoucí práce}
489 \gdef\thesis@czech@authorTitle{Autor}
490 \gdef\thesis@czech@abstractTitle{Shrnutí}
491 \gdef\thesis@czech@keywordsTitle{Klíčová slova}
492 \gdef\thesis@czech@thanksTitle{Poděkování}
493 \gdef\thesis@czech@declarationTitle{Prohlášení}
494 \gdef\thesis@czech@idTitle{ID}
495 \gdef\thesis@czech@spring{jaro}
496 \gdef\thesis@czech@fall{podzim}
497 \gdef\thesis@czech@semester{%
498   \thesis@czech@\thesis@season} \thesis@year}
499 \gdef\thesis@czech@typeName{%
500   \ifx\thesis@type\thesis@bachelors%
501     Bakalářská práce%
502   \else\ifx\thesis@type\thesis@masters%
503     Diplomová práce%
504   \else\ifx\thesis@type\thesis@doctoral%
505     Disertační práce%
506   \else\ifx\thesis@type\thesis@rigorous%
507     Rigorózní práce%
508   \else%
509     <<Neznámý typ práce (\thesis@type)>>%
510   \fi\fi\fi}
511 \gdef\thesis@czech@typeName@akuzativ{%
```

```

512 \ifx\thesis@type\thesis@bachelors%
513   Bakalářskou práci%
514 \else\ifx\thesis@type\thesis@masters%
515   Diplomovou práci%
516 \else\ifx\thesis@type\thesis@doctoral%
517   Disertační práci%
518 \else\ifx\thesis@type\thesis@rigorous%
519   Rigorózní práci%
520 \else%
521   <<Neznámý typ práce (\thesis@type)>>%
522 \fi\fi\fi\fi}

```

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

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

```

523 \ProvidesFile{fithesis/locale/mu/fithesis-czech.def}[2015/11/17]
524
525 % Zástupné texty
526 \gdef\thesis@czech@universityName{Masarykova univerzita}
527 \gdef\thesis@czech@declaration{Prohlašuji, že jsem
528   \thesis@lower{czech@typeName@akuzativ} zpracoval%
529   \thesis@czech@gender@koncovka\ samostatně a
530   použil\thesis@czech@gender@koncovka\ jen prameny
531   uvedené~v seznamu literatury.}
532
533 % Různé
534 \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.

```

535 \ProvidesFile{fithesis/locale/mu/law/fithesis-czech.def}[2015/06/26]
536
537 % Různé
538 \gdef\thesis@czech@abstractTitle{Abstrakt}
539
540 % Zástupné texty
541 \gdef\thesis@czech@facultyName{Právnická fakulta}
542 \gdef\thesis@czech@facultyLongName{Právnická fakulta Masarykovy
543   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.

```
544 \ProvidesFile{fithesis/locale/mu/fsps/fithesis-czech.def}[2015/06/26]
545
546 % Zástupné texty
547 \gdef\thesis@czec@facultyName{Fakulta sportovních studií}
548
549 % Různé
550 \gdef\thesis@czec@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.

```
551 \ProvidesFile{fithesis/locale/mu/fss/fithesis-czech.def}[2015/06/26]
552
553 % Zástupné texty
554 \gdef\thesis@czec@facultyName{Fakulta sociálních studií}
555 \gdef\thesis@czec@assignment{Místo tohoto listu
556 vložit kopie oficiálního podepsaného zadání práce nebo
557 prohlášení autora školního díla nebo obojí~v závislosti na
558 požadavcích příslušné katedry.}
559
```

#### 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.

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

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

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

```
562 \ProvidesFile{fithesis/locale/mu/med/fithesis-czech.def}[2015/06/26]
563
564 % Různé
565 \gdef\thesis@czec@abstractTitle{Anotace}
```

```

566
567 % Zástupné texty
568 \gdef\thesis@czech@facultyName{Lékařská fakulta}
569
570 % Bibliografický záznam
571 \gdef\thesis@czech@bib@title{Bibliografický záznam}
572 \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.

```

573 \ProvidesFile{fithesis/locale/mu/fi/fithesis-czech.def}[2015/06/26]
574
575 % Zástupné texty
576 \gdef\thesis@czech@facultyName{Fakulta informatiky}
577 \gdef\thesis@czech@assignment{Místo tohoto listu
578 vložíte kopie oficiálního podepsaného zadání práce a
579 prohlášení autora školního díla.}
580 \gdef\thesis@czech@declaration{%
581 Prohlašuji, že tato \thesis@lower{czech@typeName} je mým
582 původním autorským dílem, které jsem vypracoval%
583 \thesis@czech@gender@koncovka\ samostatně. Všechny zdroje,
584 prameny a literaturu, které jsem při vypracování
585 používal\thesis@czech@gender@koncovka\ nebo z~nich
586 čerpal\thesis@czech@gender@koncovka, v~práci řádně cituji
587 s~uvedením úplného odkazu na příslušný zdroj.}
588
589 % Ostatní
590 \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.

```

591 \ProvidesFile{fithesis/locale/mu/phil/fithesis-czech.def}[2015/06/26]
592
593 % Zástupné texty
594 \gdef\thesis@czech@facultyName{Filozofická fakulta}
595 \gdef\thesis@czech@declaration{%
596 Prohlašuji, že jsem \thesis@lower{czech@typeName@akuzativ}
597 vypracoval\thesis@czech@gender@koncovka\ samostatně~s využitím
598 uvedených literatur.}

```

```

599
600 % Ostatní
601 \gdef\thesis@czech@typeName{%
602   \ifx\thesis@type\thesis@bachelors%
603     Bakalářská diplomová práce%
604   \else\ifx\thesis@type\thesis@masters%
605     Magisterská diplomová práce%
606   \else\ifx\thesis@type\thesis@doctoral%
607     Disertační práce%
608   \else%
609     <<Neznámý typ práce (\thesis@type)>>%
610   \fi\fi\fi}
611 \gdef\thesis@czech@typeName@akuzativ{%
612   \ifx\thesis@type\thesis@bachelors%
613     Diplomovou práci%
614   \else\ifx\thesis@type\thesis@masters%
615     Diplomovou práci%
616   \else\ifx\thesis@type\thesis@doctoral%
617     Disertační práci%
618   \else%
619     <<Neznámý typ práce (\thesis@type)>>%
620   \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.

```

621 \ProvidesFile{fithesis/locale/mu/ped/fithesis-czech.def}[2015/06/26]
622
623 % Zástupné texty
624 \gdef\thesis@czech@facultyName{Pedagogická fakulta}
625
626 % Bibliografický záznam
627 \gdef\thesis@czech@bib@title{Bibliografický záznam}
628 \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.

```

629 \ProvidesFile{fithesis/locale/mu/sci/fithesis-czech.def}[2015/06/26]
630

```



```

631 % Zástupné texty
632 \gdef\thesis@czech@facultyName{Přírodovědecká fakulta}
633
634 % Ostatní
635 \gdef\thesis@czech@abstractTitle{Abstrakt}
636 \gdef\thesis@czech@declaration{%
637   Prohlašuji, že jsem svoji \thesis@lower{czech@typeName@%
638   akuzativ} vypracoval\thesis@czech@gender@koncovka\ samo%
639   statně s~využitím informačních zdrojů, které jsou v~práci
640   citovány.}
641
642 % Bibliografický záznam
643 \gdef\thesis@czech@bib@title{Bibliografický záznam}
644 \global\let\thesis@czech@bib@author\thesis@czech@authorTitle
645 \gdef\thesis@czech@bib@thesisTitle{Název práce}
646 \gdef\thesis@czech@bib@programme{Studijní program}
647 \global\let\thesis@czech@bib@field\thesis@czech@fieldTitle
648 \global\let\thesis@czech@bib@advisor\thesis@czech@advisorTitle
649 \gdef\thesis@czech@bib@academicYear{Akademický rok}
650 \gdef\thesis@czech@bib@pages{Počet stran}
651 \global\let\thesis@czech@bib@keywords\thesis@czech@keywordsTitle

```

### 3.5.4 Slovak locale files

#### 3.5.4.1 The locale/fithesis-slovak.def file

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

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.

```

652 \ProvidesFile{fithesis/locale/fithesis-slovak.def}[2015/11/17]
653
654 % Pomocná makrá
655 \gdef\thesis@slovak@gender@koncovka{%
656   \ifthesis@woman a\fi}
657
658 % Zástupné texty
659 \gdef\thesis@slovak@universityName{Názov univerzity}
660 \gdef\thesis@slovak@facultyName{Názov fakulty}
661 \gdef\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
662   oficiálneho podpísaného zadania práce.}
663 \gdef\thesis@slovak@declaration{Text prehlásenie ...}
664
665 % Rôzne
666 \gdef\thesis@slovak@fieldTitle{Odbor}
667 \gdef\thesis@slovak@advisorTitle{Vedúci práce}

```

```

668 \gdef\thesis@slovak@authorTitle{Autor}
669 \gdef\thesis@slovak@abstractTitle{Zhrnutie}
670 \gdef\thesis@slovak@keywordsTitle{Kľúčové slová}
671 \gdef\thesis@slovak@thanksTitle{Poďakovanie}
672 \gdef\thesis@slovak@declarationTitle{Prehlásenie}
673 \gdef\thesis@slovak@idTitle{ID}
674 \gdef\thesis@slovak@spring{jar}
675 \gdef\thesis@slovak@fall{jeseň}
676 \gdef\thesis@slovak@semester{%
677   \thesis@{slovak@\thesis@season} \thesis@year}
678 \gdef\thesis@slovak@typeName{%
679   \ifx\thesis@type\thesis@bachelors%
680     Bakalárska práca%
681   \else\ifx\thesis@type\thesis@masters%
682     Diplomová práca%
683   \else\ifx\thesis@type\thesis@doctoral%
684     Dizertačná práca%
685   \else\ifx\thesis@type\thesis@rigorous%
686     Rigorózna práca%
687   \else%
688     <<Neznámy typ práce (\thesis@type)>>%
689   \fi\fi\fi\fi}
690 \gdef\thesis@slovak@typeName@akuzativ{%
691   \ifx\thesis@type\thesis@bachelors%
692     Bakalársku prácu%
693   \else\ifx\thesis@type\thesis@masters%
694     Diplomovú prácu%
695   \else\ifx\thesis@type\thesis@doctoral%
696     Dizertačnú prácu%
697   \else\ifx\thesis@type\thesis@rigorous%
698     Rigoróznú prácu%
699   \else%
700     <<Neznámy typ práce (\thesis@type)>>%
701   \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.

```

702 \ProvidesFile{fithesis/locale/mu/fithesis-slovak.def}[2015/11/17]
703
704 % Zástupné texty
705 \gdef\thesis@slovak@universityName{Masarykova univerzita}
706 \gdef\thesis@slovak@declaration{%
707   Prehlasujem, že som predloženú \thesis@lower{%
708     slovak@typeName@akuzativ} vypracoval%
709   \thesis@slovak@gender@koncovka\ samostatne len s~použitím
710   uvedenej literatúry a prameňov.}
711

```

```

712 % Rôzne
713 \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.

```

714 \ProvidesFile{fithesis/locale/mu/law/fithesis-slovak.def}[2015/06/26]
715
716 % Rôzne
717 \gdef\thesis@slovak@abstractTitle{Abstrakt}
718
719 % Zástupné texty
720 \gdef\thesis@slovak@facultyName{Právnická fakulta}
721 \gdef\thesis@slovak@facultyLongName{Právnická fakulta Masarykovej
722 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.

```

723 \ProvidesFile{fithesis/locale/mu/fsps/fithesis-slovak.def}[2015/06/26]
724
725 % Zástupné texty
726 \gdef\thesis@slovak@facultyName{Fakulta športových štúdií}
727
728 % Rôzne
729 \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.

```

730 \ProvidesFile{fithesis/locale/mu/fss/fithesis-slovak.def}[2015/06/26]
731
732 % Zástupné texty
733 \gdef\thesis@slovak@facultyName{Fakulta sociálnych štúdií}
734 \gdef\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
735 oficiálneho podpísaného zadania práce alebo prehlásenie autora
736 školského diela alebo obidve~v závislosti na požiadavkách
737 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.

```
738 \ProvidesFile{fithesis/locale/mu/econ/fithesis-slovak.def}[2015/06/26]
739 \gdef\thesis@slovak@facultyName{Ekonomicko-správná 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.

```
740 \ProvidesFile{fithesis/locale/mu/med/fithesis-slovak.def}[2015/06/26]
741
742 % Rôzne
743 \gdef\thesis@slovak@abstractTitle{Anotácie}
744
745 % Zástupné texty
746 \gdef\thesis@slovak@facultyName{Lekárska fakulta}
747
748 % Bibliografický zoznam
749 \gdef\thesis@slovak@bib@title{Bibliografický záznam}
750 \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.

```
751 \ProvidesFile{fithesis/locale/mu/fi/fithesis-slovak.def}[2015/06/26]
752
753 % Zástupné texty
754 \gdef\thesis@slovak@facultyName{Fakulta informatiky}
755 \gdef\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
756 oficiálneho podpísaného zadania práce a prehlásenie autora
757 školského diela.}
758 \gdef\thesis@slovak@declaration{%
759 Prehlasujem, že táto \thesis@lower{slovak@typeName} je mojím
760 pôvodným autorským dielom, ktoré som vypracoval%
761 \thesis@slovak@gender@koncovka\ samostatne. Všetky zdroje,
762 pramene a literatúru, ktoré som pri vypracovaní
763 používal\thesis@slovak@gender@koncovka\ alebo z~nich
```

```

764 čerpá\thesis@slovak@gender@koncovka, v práci riadne citujem
765 s~uvedením úplného odkazu na príslušný zdroj.}
766
767 % Rôzne
768 \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.

```

769 \ProvidesFile{fithesis/locale/mu/phil/fithesis-slovak.def}[2015/06/26]
770
771 % Zástupné texty
772 \gdef\thesis@slovak@facultyName{Filozofická fakulta}
773 \gdef\thesis@slovak@declaration{%
774   Prehlasujem, že som predloženú \thesis@lower{%
775     slovak@typeName@akuzativ} vypracoval%
776     \thesis@slovak@gender@koncovka\ samostatne na
777     základe vlastných zistení a len s~použitím
778     uvedenej literatúry a prameňov.}
779
780 % Rôzne
781 \gdef\thesis@slovak@typeName{%
782   \ifx\thesis@type\thesis@bachelors%
783     Bakalárska diplomová práca%
784   \else\ifx\thesis@type\thesis@masters%
785     Magisterská diplomová práca%
786   \else\ifx\thesis@type\thesis@doctoral%
787     Dizertačná práca%
788   \else%
789     <<Neznámy typ práce (\thesis@type)>>%
790   \fi\fi\fi}
791 \gdef\thesis@slovak@typeName@akuzativ{%
792   \ifx\thesis@type\thesis@bachelors%
793     Diplomovú prácu%
794   \else\ifx\thesis@type\thesis@masters%
795     Diplomovú prácu%
796   \else\ifx\thesis@type\thesis@doctoral%
797     Dizertačnú prácu%
798   \else%
799     <<Neznámy typ práce (\thesis@type)>>%
800   \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.

```
801 \ProvidesFile{fithesis/locale/mu/ped/fithesis-slovak.def}[2015/06/26]
802
803 % Zástupné texty
804 \gdef\thesis@slovak@facultyName{Pedagogická fakulta}
805
806 % Bibliografický zoznam
807 \gdef\thesis@slovak@bib@title{Bibliografický záznam}
808 \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.

```
809 \ProvidesFile{fithesis/locale/mu/sci/fithesis-slovak.def}[2015/06/26]
810
811 % Zástupné texty
812 \gdef\thesis@slovak@facultyName{Přirodovedecká fakulta}
```

## 3.6 Style files

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

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

- |                                |  |
|--------------------------------|--|
| <code>\thesis@preamble</code>  | <ul style="list-style-type: none"> <li>• <code>\thesis@preamble</code> – If autolayout is enabled, then this macro is expanded at the very beginning of the document.</li> </ul> |
| <code>\thesis@postamble</code> | <ul style="list-style-type: none"> <li>• <code>\thesis@postamble</code> – If autolayout is enabled, then this macro is expanded at the very end of the document.</li> </ul>      |

### 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.

```
813 \NeedsTeXFormat{LaTeX2e}
814 \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.

```
815 \ProvidesPackage{fithesis/style/mu/fithesis-base}[2015/11/17]
816 \NeedsTeXFormat{LaTeX2e}
```

The file recognizes the following options:

- 10pt, 11pt, 12pt – Sets the type size to 10, 11 or 12 points respectively.
- oneside, twoside – The document is going to be either single- or double-sided, respectively. In a double-sided document, headers, page numbering, margin notes and several other elements will be arranged based on the parity of the page. Blank pages will also be inserted prior the beginning of each chapter to ensure that it starts on a right-hand (odd-numbered) page. The \ifthesis@twoside@ conditional is set to either false or true, respectively.
- onecolumn, twocolumn – The document is going to be set in either a single column or in two columns, respectively.
- draft, final – Overfull lines either are or aren't marked within the document, respectively, and graphics either aren't or are inserted into the document, respectively.
- palatino, nopalatino – The roman text font family and the math font family is going to be either set to Palatino or left untouched, respectively. The \ifthesis@palatino@ conditional is set to either true or false, respectively. The Palatino font is a part of the visual identity of the Faculty of Informatics at which the document class was created.
- 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.
- microtype, nomicrotype – The microtypographic extension of modern TeX engines – such as pdfTeX, XeTeX, or LuaTeX – is or isn't going to be enabled, respectively. The \ifthesis@microtype@ conditional is set to either true or false, respectively.
- table, oldtable – If the \ifthesis@color@ conditional is true, then the definitions of the tabular, tabularx, and tabu commands either are or aren't going to be altered to better match the style, respectively. The \ifthesis@newtable@ conditional is set to either true or false, respectively.

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 fthesis3 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.

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

```

817 \DeclareOption{10pt}{\def\thesis@ptsize{0}}
818 \DeclareOption{11pt}{\def\thesis@ptsize{1}}
819 \DeclareOption{12pt}{\def\thesis@ptsize{2}}
820 \newif\ifthesis@twoside@
821 \DeclareOption{oneside}{%
822   \thesis@twoside@false\@twosidefalse\@mparswitchfalse}
823 \DeclareOption{twoside}{%
824   \thesis@twoside@true\@twosidetrue\@mparswitchtrue}
825 \DeclareOption{onecolumn}{\@twocolumnfalse}
826 \DeclareOption{twocolumn}{\@twocolumntrue}
827 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
828 \DeclareOption{final}{\setlength\overfullrule{0pt}}
829 \newif\ifthesis@color@
830 \DeclareOption{monochrome}{\thesis@color@false}
831 \DeclareOption{color}{\thesis@color@true}
832 \newif\ifthesis@microtype@
833 \DeclareOption{microtype}{\thesis@microtype@true}
834 \DeclareOption{nomicrotype}{\thesis@microtype@false}
835 \newif\ifthesis@palatino@
836 \DeclareOption{palatino}{\thesis@palatino@true}
837 \DeclareOption{nopalatino}{\thesis@palatino@false}
838 \newif\ifthesis@newtable@
839 \DeclareOption{table}{\thesis@newtable@true}
840 \DeclareOption{oldtable}{\thesis@newtable@false}
841 \DeclareOption{nolot}{\def\thesis@blocks@lot{}}
842 \DeclareOption{lot}{\let\thesis@blocks@lot\listoftables}
843 \DeclareOption{nolof}{\def\thesis@blocks@lof{}}
844 \DeclareOption{lof}{\let\thesis@blocks@lof\listoffigures}
845 \newif\ifthesis@cover@
846 \DeclareOption{nocover}{\thesis@cover@false}

```



```
847 \DeclareOption{cover}{\thesis@cover@true}
```

These are the default options:

```
848 \ExecuteOptions{12pt,twoside,final,monochrome,microtype,%
849   palatino,oldtable,lot,lof,nocover}
850 \ProcessOptions
```

The file uses English locale strings within the macros.

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

The file loads the following packages:

- `xcolor` – Adds support for color manipulation.
- `ifxetex` – Used to detect the  $\text{\XeTeX}$  engine.
- `ifluatex` – Used to detect the  $\text{\LuaTeX}$  engine.
- `graphicx` – 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.

```
852 \thesis@require{xcolor}
853 \thesis@require{graphicx}
854 \thesis@require{pdfpages}
855 \thesis@require{keyval}
856 \thesis@require{ifxetex}
857 \thesis@require{ifluatex}
```

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

```
858 \ifthesis@microtype@
859   \thesis@require{microtype}
860 \fi
```

`\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  $\text{\XeTeX}$  or the  $\text{\LuaTeX}$  engine is being used.

```
861 {\let\x\expandafter
862 \x\global\x\let\x\ifthesis@xeluatex\csname if%
863   \ifxetex true\else
864     \ifluatex\x\x\x t\x\x\x r\x\x\x u\x\x\x e%
865     \else f\x\x\x a\x\x\x l\x\x\x s\x\x\x e%
866     \fi
867 \fi\endcsname}
```

The following packages get only loaded, when the document is being typeset using the  $\text{\XeTeX}$  or  $\text{\LuaTeX}$  engine:

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

Under  $\text{Xe}\text{\LaTeX}$  or  $\text{Lua}\text{\LaTeX}$ , the TeX Gyre Pagella and TeX Gyre Pagella Math are also selected as the main text and math fonts.

```

868 \ifthesis@xeluatex
869   \ifthesis@palatino@
870     \thesis@require{fontspec}
871     \thesis@require{unicode-math}
872     \setmainfont[Ligatures=TeX]{TeX Gyre Pagella}
873     \setmathfont[math-style=ISO,bold-style=ISO,vargreek-shape=TeX]%
874       {texgyrepagella-math.otf}
875   \fi

```

The following packages get only loaded, when the document is not being typeset using the  $\text{Xe}\text{\LaTeX}$  or  $\text{Lua}\text{\LaTeX}$  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.
- `lmodern` – 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.

```

876 \else
877   \ifthesis@palatino@
878     \RequirePackage[resetfonts]{cmap}
879     \thesis@require{lmodern}
880     \thesis@require{mathpazo}
881     \thesis@require{tgpagella}
882     \RequirePackage[T1]{fontenc}
883   \fi
884 \fi

```

If the `\thesis@newtable@` and `\thesis@color@` conditionals are true, then the following packages get loaded:

- `tabularx` – Provides the `tabularx` environment, which enables the typesetting of tables with flexible-width columns.
- `tabu` – Provides the `tabu` environment, which enables the typesetting of complex tables.
- `booktabs` – A package, which allows the creation of publication-quality tables in  $\text{\LaTeX}$ .

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. Similarly, the `\thesis@newtable@oldx` and `\endthesis@newtable@oldx` macros are defined for the `tabularx` environment and the `\thesis@newtable@oldtabu` and `\endthesis@newtable@oldtabu` for the `tabu` environment.

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

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

885 \let\thesis@newtable@old\tabular
886 \let\endthesis@newtable@old\endtabular
887 \ifthesis@newtable@ifthesis@color@
888   \thesis@require{tabularx}
889   \thesis@require{tabu}
890   \thesis@require{booktabs}
891   % The redefinition of 'tabular'
892   \renewenvironment{tabular}%
893     {\rowcolors{1}{thesis@color@tableOdd}%
894      {thesis@color@tableEven}%
895      \thesis@newtable@old}%
896     {\endthesis@newtable@old}
897   % The redefinition of 'tabularx'
898   \let\thesis@newtable@oldx\tabularx
899   \let\endthesis@newtable@oldx\endtabularx
900   \renewenvironment{tabularx}%
901     {\rowcolors{1}{thesis@color@tableOdd}%
902      {thesis@color@tableEven}%
903      \thesis@newtable@oldx}%
904     {\endthesis@newtable@oldx}
905   % The redefinition of 'tabu'
906   \let\thesis@newtable@oldtabu\tabu
907   \let\endthesis@newtable@oldtabu\endtabu
908   \renewenvironment{tabu}%
909     {\rowcolors{1}{thesis@color@tableOdd}%
910      {thesis@color@tableEven}%
911      \thesis@newtable@oldtabu}%
912     {\endthesis@newtable@oldtabu}
913   % Adjust the measurements
914   \setlength{\aboverulesep}{0pt}
915   \setlength{\belowrulesep}{0pt}
916   \setlength{\extrarowheight}{.75ex}
917 \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.

```
918 \thesis@require{hyperref}
919 \hypersetup{
920   pdfborderstyle={/S/U/W 1}, % Less obtrusive borders
921   plainpages=false}          % Multiple page numbering support
```

Clubs and widows are set to be infinitely bad.

```
922 \widowpenalty 10000
923 \clubpenalty 10000
```

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

```
924 \def\thesis@color@setup#1{%
925   \setkeys{thesis@color}{#1}}
```

The following key-value pairs are supported:

1. `{<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. `{<tableOdd=color>}` – Stores the color of the odd rows of the redefined `tabular` and `tabularx` environments under the name `thesis@color@tableOdd`.
3. `{<tableEven=color>}` – Stores the color of the even rows of the redefined `tabular` and `tabularx` environments under the name `thesis@color@tableEven`.
4. `{<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.

```
926 \define@key{thesis@color}{links}{%
927   \definecolor{thesis@color@links}#1
928   \hypersetup{linkbordercolor=thesis@color@links}}
929 \define@key{thesis@color}{tableOdd}{%
930   \definecolor{thesis@color@tableOdd}#1}
931 \define@key{thesis@color}{tableEven}{%
932   \definecolor{thesis@color@tableEven}#1}
933 \define@key{thesis@color}{tableEmph}{%
934   \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.

```
935 \def\thesis@blocks@frontMatter{%
936   \thesis@blocks@clear
937   \pagestyle{plain}
938   \parindent 1.5em
939   \setcounter{page}{1}
940   \pagenumbering{roman}}
```

<code>\thesis@blocks@clear</code>	<p>The <code>\thesis@blocks@clear</code> macro clears the current page. It also clears the next left-hand (even-numbered) page, when double-sided typesetting is enabled.</p> <pre> 941 \def\thesis@blocks@clear{% 942   \ifthesis@twoside% 943     \clearpage% 944     \thispagestyle{empty}% 945     \cleardoublepage% 946   \else% 947     \newpage% 948   \fi}</pre>
<code>\thesis@blocks@clearRight</code>	<p>The <code>\thesis@blocks@clearRight</code> macro clears the current page. It also clears the next right-hand (odd-numbered) page, when double-sided typesetting is enabled.</p> <pre> 949 \def\thesis@blocks@clearRight{% 950   \ifthesis@twoside% 951     \clearpage% 952     \ifodd\value{page}% 953       \thispagestyle{empty}% 954       \hbox{}% 955       \newpage% 956     \fi% 957   \else% 958     \newpage% 959   \fi}</pre>
<code>\thesis@blocks@facultyLogo@monochrome</code>	<p>The <code>\thesis@blocks@facultyLogo@monochrome[<i>&lt;options&gt;</i>]</code> macro typesets the <code>\thesis@logopath\thesis@facultyLogo</code> logo with the given <i>options</i> passed to <code>\includegraphics</code>.</p> <pre> 960 \newcommand{\thesis@blocks@facultyLogo@monochrome}[1]% 961   [width=40mm]{% 962     \edef\@path{\thesis@logopath\thesis@facultyLogo}% 963     \includegraphics[#1]{\@path}}</pre>
<code>\thesis@blocks@facultyLogo@color</code>	<p>The <code>\thesis@blocks@facultyLogo@color[<i>&lt;options&gt;</i>]</code> macro typesets either the <code>\thesis@logopath\thesis@facultyLogo</code> logo, if the <code>\ifthesis@color@</code> conditional is false, or the <code>\thesis@logopath\thesis@facultyLogo-color</code> logo otherwise with the given <i>options</i> passed to <code>\includegraphics</code>.</p> <pre> 964 \newcommand{\thesis@blocks@facultyLogo@color}[1]% 965   [width=40mm]{% 966     \edef\@path{\thesis@logopath\thesis@facultyLogo% 967       \ifthesis@color@-color\fi}% 968     \includegraphics[#1]{\@path}}</pre>
<code>\thesis@blocks@universityLogo@monochrome</code>	<p>The <code>\thesis@blocks@universityLogo@monochrome[<i>&lt;options&gt;</i>]</code> macro typesets the <code>\thesis@logopath\thesis@universityLogo</code> logo with the given <i>options</i> passed to <code>\includegraphics</code>.</p> <pre> 969 \newcommand{\thesis@blocks@universityLogo@monochrome}[1]% 970   [width=40mm]{% </pre>

```

971 \edef\@path{\thesis@logopath\thesis@universityLogo}%
972 \includegraphics[#1]{\@path}}

```

`\thesis@blocks@universityLogo@color` The `\thesis@blocks@universityLogo@color[options]` 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`.

```

973 \newcommand{\thesis@blocks@universityLogo@color}[1]%
974   [width=40mm]{%
975   \edef\@path{\thesis@logopath\thesis@universityLogo%
976     \ifthesis@color@-color\fi}%
977   \includegraphics[#1]{\@path}}

```

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

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

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

```

978 \def\thesis@blocks@cover{%
979   \ifthesis@cover@%
980     \thesis@blocks@clear%
981     \begin{alwaysingle}%
982       \thispagestyle{empty}%
983       \begin{center}%
984         \thesis@blocks@cover@header%
985         \thesis@blocks@facultyLogo@monochrome\[\[0.4in]%
986         \let\footnotesize\small%
987         \let\footnoterule\relax}%
988         \thesis@blocks@cover@content%
989         \par\vfill%
990         \thesis@blocks@cover@footer%
991       \end{center}%
992     \end{alwaysingle}%
993   \fi}

```

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

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

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

The subsequently 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.

```

994 \newif\ifthesis@blocks@cover@university@
995 \thesis@blocks@cover@university@true
996 \newif\ifthesis@blocks@cover@faculty@
997 \thesis@blocks@cover@faculty@true
998 \newif\ifthesis@blocks@cover@department@
999 \thesis@blocks@cover@department@false
1000 \newif\ifthesis@blocks@cover@field@
1001 \thesis@blocks@cover@field@false
1002
1003 \def\thesis@blocks@cover@header{%
1004   {\sc\ifthesis@blocks@cover@university@
1005     \thesis@titlePage@LARGE\thesis@{universityName}}\%
1006   \fi\ifthesis@blocks@cover@faculty@
1007     \thesis@titlePage@Large\thesis@{facultyName}}\%
1008   \fi\ifthesis@blocks@cover@department@
1009     \thesis@titlePage@large\thesis@department}}\%
1010   \fi}
1011 \ifthesis@blocks@cover@field@
1012   {\thesis@titlePage@large\vskip 1em%
1013     {\bf\thesis@{fieldTitle}:} \thesis@field}%
1014   \fi\vskip 2em}
1015 \def\thesis@blocks@cover@content{%
1016   {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}%
1017   \vskip 0.8in%
1018   {\thesis@titlePage@large\sc\thesis@{typeName}}\}[0.3in]%
1019   {\thesis@titlePage@Large\bf\thesis@author}}
1020 \def\thesis@blocks@cover@footer{%
1021   {\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.

```

1022 \def\thesis@blocks@titlePage{%
1023     \thesis@blocks@clear%
1024     \begin{alwaysingle}%
1025         \thispagestyle{empty}%
1026         \begin{center}%
1027             \thesis@blocks@titlePage@header%
1028             \thesis@blocks@facultyLogo@color\[\[0.4in]%
1029             \let\footnotesize\small%
1030             \let\footnoterule\relax{}%
1031             \thesis@blocks@titlePage@content%
1032             \par\vfill%
1033             \thesis@blocks@titlePage@footer%
1034         \end{center}%
1035     \end{alwaysingle}}

```

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

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

The subsequently 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.

```

1036 \newif\ifthesis@blocks@titlePage@university@
1037 \thesis@blocks@titlePage@university@true
1038 \newif\ifthesis@blocks@titlePage@faculty@
1039 \thesis@blocks@titlePage@faculty@true
1040 \newif\ifthesis@blocks@titlePage@department@
1041 \thesis@blocks@titlePage@department@false
1042 \newif\ifthesis@blocks@titlePage@field@
1043 \thesis@blocks@titlePage@field@false
1044
1045 \def\thesis@blocks@titlePage@header{%
1046     {\sc\ifthesis@blocks@titlePage@university@%
1047         \thesis@titlePage@LARGE\thesis@{universityName}}\%
1048     \fi\ifthesis@blocks@titlePage@faculty@%

```



```

1049      \thesis@titlePage@Large\thesis@{facultyName}\\%
1050 \fi\ifthesis@blocks@titlePage@department%
1051      \thesis@titlePage@large\thesis@department\\%
1052      \fi}
1053 \ifthesis@blocks@titlePage@field%
1054     {\thesis@titlePage@large\vskip 1em%
1055      {\bf\thesis@{fieldTitle}:} \thesis@field}%
1056 \fi\vskip 2em}
1057 \let\thesis@blocks@titlePage@content=\thesis@blocks@cover@content
1058 \let\thesis@blocks@titlePage@footer=\thesis@blocks@cover@footer

```

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

```

1059 \def\thesis@blocks@tables{%
1060   \thesis@blocks@clear%
1061   \tableofcontents%
1062   \thesis@blocks@lot%
1063   \thesis@blocks@lof}

```

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

```

1064 \def\thesis@blocks@declaration{%
1065   \thesis@blocks@clear%
1066   \begin{alwaysingle}%
1067     \chapter*{\thesis@{declarationTitle}}%
1068     \thesis@declaration%
1069     \vskip 2cm%
1070     \hfill\thesis@author%
1071   \end{alwaysingle}}

```

`\thesis@blocks@thanks` The `\thesis@blocks@thanks` macro typesets the acknowledgement, if the `\thesis@thanks` macro is defined. Otherwise, the macro produces no output.

```

1072 \def\thesis@blocks@thanks{%
1073   \ifx\thesis@thanks\undefined\else%
1074     \thesis@blocks@clear%
1075     \begin{alwaysingle}%
1076       \chapter*{\vspace*{\fill}\thesis@{thanksTitle}}%
1077       \thesis@thanks%
1078     \end{alwaysingle}%
1079   \fi}

```

`\thesis@blocks@abstract` The `\thesis@blocks@abstract` macro typesets the abstract.

```

1080 \def\thesis@blocks@abstract{%
1081   \begin{alwaysingle}%
1082     % Start the new chapter without clearing the right page
1083     {\def\cleardoublepage{}
1084      \chapter*{\thesis@{abstractTitle}}}%
1085     \noindent\thesis@abstract%
1086     \par\vfil\null%
1087   \end{alwaysingle}}

```

`\thesis@blocks@abstractEn` The `\thesis@blocks@abstractEn` macro typesets the abstract in English. If the current locale is English, the macro produces no output.

```

1088 \def\thesis@blocks@abstractEn{%
1089   \ifthesis@english\else%
1090     {\thesis@selectLocale{english}%
1091     \begin{alwaysingle}%
1092       % Start the new chapter without clearing the right page
1093       {\def\cleardoublepage{}%
1094       \chapter*{\thesis@english@abstractTitle}%
1095       \thesis@abstractEn}%
1096       \par\vfil\null%
1097     \end{alwaysingle}}%
1098   \fi}

```

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

```

1099 \def\thesis@blocks@keywords{%
1100   \begin{alwaysingle}%
1101   % Start the new chapter without clearing the right page
1102   {\def\cleardoublepage{}%
1103   \chapter*{\thesis@{keywordsTitle}}%
1104   \noindent\thesis@TeXkeywords}%
1105   \par\vfil\null%
1106   \end{alwaysingle}}

```

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

```

1107 \def\thesis@blocks@keywordsEn{%
1108   \ifthesis@english\else%
1109     {\thesis@selectLocale{english}%
1110     \begin{alwaysingle}%
1111       % Start the new chapter without clearing the right page
1112       {\def\cleardoublepage{}%
1113       \chapter*{\thesis@english@keywordsTitle}%
1114       \thesis@TeXkeywordsEn}%
1115       \par\vfil\null%
1116     \end{alwaysingle}}%
1117   \fi}

```

`\thesis@blocks@assignment` The `\thesis@blocks@assignment` macro either:

- Produces no output, when the first expansion of `\thesis@assignmentPDF` yields an empty token list or when the `\ifthesis@blocks@assignment@` conditional is false.
- Typesets a placeholder page to be replaced with the official thesis assignment, when `\thesis@assignmentPDF` is undefined and the `\ifthesis@blocks@assignment@` conditional is true.

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

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

```

1118 \newif\ifthesis@blocks@assignment@
1119 \thesis@blocks@assignment@true
1120 \def\thesis@blocks@assignment{%
1121   \ifthesis@blocks@assignment@
1122     \ifx\thesis@assignmentFiles\undefined%
1123       % Typeset a placeholder page.
1124       \thesis@blocks@clear%
1125       \begin{alwaysingle}%
1126         \thispagestyle{empty}%
1127         \addtocounter{page}{-\ifthesis@twoside@2\else1\fi}%
1128         \noindent\textit{\thesis@{assignment}}%
1129       \end{alwaysingle}%
1130     \else%
1131       {\edef\@pdfList{\thesis@assignmentFiles}%
1132       \ifx\@pdfList\empty\else
1133         \let\ea\expandafter
1134         % Inject the specified PDF documents.
1135         \def\@inject##1,{\thesis@blocks@clear
1136           \def\@args{##1}\def\@relax{\relax}%
1137           \ifx\@args\relax\else%
1138             % Trim leading spaces.
1139             \edef\@trimmed{\romannumeral-'\.##1}%
1140             \includepdf[pages=-]\@trimmed
1141             \ea\@inject\fi}%
1142           \ea\@inject\@pdfList,\relax,%
1143           \fi}%
1144       \fi%
1145     \fi}

```

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

```

1146 \def\thesis@blocks@mainMatter{%
1147   \thesis@blocks@clear
1148   \setcounter{page}{1}
1149   \pagenumbering{arabic}
1150   \pagestyle{thesisheadings}
1151   \parindent 1.5em\relax}

```

The rest of the file comprises redefinitions of  $\text{\LaTeX}$  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.

```

1152 % Table of contents will contain sectioning commands up to
1153 % \subsubsection
1154 \setcounter{tocdepth}{3}
1155
1156 % Load the 'fithesis-1*.clo' size option
1157 \input{thesis@stylepath mu/fithesis-1\thesis@ptsize.clo\relax
1158
1159 \def\ps@thesisheadings{%
1160 \def\chaptermark##1{%
1161 \markright{%
1162 \ifnum\c@secnumdepth >\m@ne
1163 \thechapter.\ %
1164 \fi ##1}}
1165 \let\@oddfoot\@empty
1166 \let\@oddhead\@empty
1167 \def\@oddhead{\vbox{\hbox to \textwidth{%
1168 \hfil{\sc\rightmark}}\vskip 4pt\hrule}}
1169 \if@twoside
1170 \def\@evenhead{\vbox{\hbox to \textwidth{%
1171 {\sc\rightmark}\hfil}\vskip 4pt\hrule}}
1172 \else
1173 \let\@evenhead\@oddhead
1174 \fi
1175 \def\@oddfoot{\hfil\PageFont\thepage}
1176 \if@twoside
1177 \def\@evenfoot{\PageFont\thepage\hfil}%
1178 \else
1179 \let\@evenfoot\@oddfoot
1180 \fi
1181 \let\@mkboth\markboth
1182 }
1183
1184 % Redefines the style of the chapter headings
1185 \renewcommand*{\chapter}{%
1186 \if@twoside
1187 \clearpage
1188 \thispagestyle{empty}
1189 \cleardoublepage
1190 \else
1191 \clearpage
1192 \fi
1193 \thispagestyle{plain}%
1194 \global\@topnum\z@
1195 \@afterindentfalse
1196 \secdef\@chapter\@schapter}
1197
1198 % Redefines the style of part headings
1199 \renewcommand*{\part}{%
1200 \clearpage
1201 \thispagestyle{empty}

```

```

1202 \cleardoublepage
1203 \thispagestyle{empty}%
1204 \if@twocolumn%
1205   \onecolumn
1206   \@tempswattrue
1207 \else
1208   \@tempswafalse
1209 \fi
1210 \hbox{}\vfil
1211 \secdef\@part\@spart}
1212
1213 \newif\if@restonecol
1214 \def\alwaysingle{%
1215   \@restonecolfalse\if@twocolumn\@restonecoltrue\onecolumn\fi}
1216 \def\endalwaysingle{\if@restonecol\twocolumn\fi}
1217
1218 \renewcommand*\l@part[2]{%
1219   \ifnum \c@tocdepth >-2\relax
1220     \addpenalty{-\@highpenalty}%
1221     \addvspace{0.5em \@plus\p@}%
1222     \begingroup
1223       \setlength\@tempdima{3em}%
1224       \parindent \z@ \rightskip \@pnumwidth
1225       \parfillskip -\@pnumwidth
1226       {\leavevmode
1227         \normalfont \bfseries #1\hfil \hbext@\@pnumwidth{\hss #2}}\par
1228       \nobreak
1229       \global\@nobreaktrue
1230       \everypar{\global\@nobreakfalse\everypar{}}}%
1231     \endgroup
1232     \addvspace{0.2em \@plus\p@}%
1233   \fi}
1234
1235 \renewcommand*\l@chapter[2]{%
1236   \ifnum \c@tocdepth >\m@ne
1237     \addpenalty{-\@highpenalty}%
1238     \vskip 1.0em \@plus\p@
1239     \setlength\@tempdima{1.5em}%
1240     \begingroup
1241       \parindent \z@ \rightskip \@pnumwidth
1242       \parfillskip -\@pnumwidth
1243       \leavevmode \bfseries
1244       \advance\leftskip\@tempdima
1245       \hskip -\leftskip
1246       #1\nobreak\hfil \nobreak\hbext@\@pnumwidth{\hss #2}\par
1247       \penalty\@highpenalty
1248     \endgroup
1249   \fi}
1250
1251 \renewcommand*\l@chapter{\@dottedtocline{1}{0em}{1.5em}}

```

```

1252 \renewcommand*\l@section{\@dottedtocline{2}{1.5em}{2.3em}}
1253 \renewcommand*\l@subsection{\@dottedtocline{3}{3.8em}{3.2em}}
1254 \renewcommand*\l@subsubsection{\@dottedtocline{4}{7.0em}{3.8em}}

```

### 3.6.2.3 The style/mu/fithesis-10.clo file

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

```

1255 (*opt)
1256 (*10pt)
1257 \ProvidesFile{fithesis/style/mu/fithesis-10.clo}[2015/06/23]
1258
1259 \renewcommand{\normalsize}{\fontsize\@xpt{12}\selectfont%
1260 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1261 \belowdisplayskip \abovedisplayskip
1262 \abovedisplayshortskip \z@ plus3\p@
1263 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1264 \let\@listi\@listI}
1265
1266 \renewcommand{\small}{\fontsize\@ixpt{11}\selectfont%
1267 \abovedisplayskip 8.5\p@ plus3\p@ minus4\p@
1268 \belowdisplayskip \abovedisplayskip
1269 \abovedisplayshortskip \z@ plus2\p@
1270 \belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
1271 \def\@listi{\leftmargin\leftmarginI
1272 \topsep 4\p@ plus2\p@ minus2\p@\parsep 2\p@ plus\p@ minus\p@
1273 \itemsep \parsep}}
1274
1275 \renewcommand{\footnotesize}{\fontsize\@viipt{9.5}\selectfont%
1276 \abovedisplayskip 6\p@ plus2\p@ minus4\p@
1277 \belowdisplayskip \abovedisplayskip
1278 \abovedisplayshortskip \z@ plus\p@
1279 \belowdisplayshortskip 3\p@ plus\p@ minus2\p@
1280 \def\@listi{\leftmargin\leftmarginI %% Added 22 Dec 87
1281 \topsep 3\p@ plus\p@ minus\p@\parsep 2\p@ plus\p@ minus\p@
1282 \itemsep \parsep}}
1283
1284 \renewcommand{\scriptsize}{\fontsize\@viipt{8pt}\selectfont}
1285 \renewcommand{\tiny}{\fontsize\@vpt{6pt}\selectfont}
1286 \renewcommand{\large}{\fontsize\@xipt{14pt}\selectfont}
1287 \renewcommand{\Large}{\fontsize\@xivpt{18pt}\selectfont}
1288 \renewcommand{\LARGE}{\fontsize\@xviipt{22pt}\selectfont}
1289 \renewcommand{\huge}{\fontsize\@xxpt{25pt}\selectfont}
1290 \renewcommand{\Huge}{\fontsize\@xxvpt{30pt}\selectfont}
1291
1292 (/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.

```
1293 (*11pt)
1294 \ProvidesFile{fithesis/style/mu/fithesis-11.clo}[2015/06/23]
1295
1296 \renewcommand{\normalsize}{\fontsize\expt{14}\selectfont%
1297 \abovedisplayskip 11\p@ plus3\p@ minus6\p@
1298 \belowdisplayskip \abovedisplayskip
1299 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1300 %\abovedisplayshortskip \z@ plus3\p@
1301 \let\@listi\@listI}
1302
1303 \renewcommand{\small}{\fontsize\expt{12}\selectfont%
1304 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1305 \belowdisplayskip \abovedisplayskip
1306 \abovedisplayshortskip \z@ plus3\p@
1307 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1308 \def\@listi{\leftmargin\leftmarginI
1309 \topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
1310 \itemsep \parsep}}
1311
1312 \renewcommand{\footnotesize}{\fontsize\expt{11}\selectfont%
1313 \abovedisplayskip 8\p@ plus2\p@ minus4\p@
1314 \belowdisplayskip \abovedisplayskip
1315 \abovedisplayshortskip \z@ plus\p@
1316 \belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
1317 \def\@listi{\leftmargin\leftmarginI
1318 \topsep 4\p@ plus2\p@ minus2\p@\parsep 2\p@ plus\p@ minus\p@
1319 \itemsep \parsep}}
1320
1321 \renewcommand{\scriptsize}{\fontsize\expt{9.5pt}\selectfont}
1322 \renewcommand{\tiny}{\fontsize\expt{7pt}\selectfont}
1323 \renewcommand{\large}{\fontsize\expt{14pt}\selectfont}
1324 \renewcommand{\Large}{\fontsize\expt{18pt}\selectfont}
1325 \renewcommand{\LARGE}{\fontsize\expt{22pt}\selectfont}
1326 \renewcommand{\huge}{\fontsize\expt{25pt}\selectfont}
1327 \renewcommand{\Huge}{\fontsize\expt{30pt}\selectfont}
1328
1329 (/11pt)
```

### 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           |

<code>\thesis@titlePage@footnotesize</code>	• <code>\thesis@titlePage@footnotesize</code> – Equivalent to <code>\footnotesize</code>
<code>\thesis@titlePage@scriptsize</code>	• <code>\thesis@titlePage@scriptsize</code> – Equivalent to <code>\scriptsize</code>
<code>\thesis@titlePage@tiny</code>	• <code>\thesis@titlePage@tiny</code> – Equivalent to <code>\tiny</code>
<code>\thesis@titlePage@large</code>	• <code>\thesis@titlePage@large</code> – Equivalent to <code>\large</code>
<code>\thesis@titlePage@Large</code>	• <code>\thesis@titlePage@Large</code> – Equivalent to <code>\Large</code>
<code>\thesis@titlePage@LARGE</code>	• <code>\thesis@titlePage@LARGE</code> – Equivalent to <code>\LARGE</code>
<code>\thesis@titlePage@huge</code>	• <code>\thesis@titlePage@huge</code> – Equivalent to <code>\huge</code>
<code>\thesis@titlePage@Huge</code>	• <code>\thesis@titlePage@Huge</code> – Equivalent to <code>\Huge</code>

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

```

1330 (*12pt)
1331 \ProvidesFile{fithesis/style/mu/fithesis-12.clo}[2015/06/23]
1332 (/12pt)
1333
1334 \def\thesis@titlePage@normalsize{\fontsize\@xipt{14.5}%
1335 \selectfont\abovedisplayskip 12\p@ plus3\p@ minus7\p@
1336 \belowdisplayskip \abovedisplayskip
1337 \abovedisplayshortskip \z@ plus3\p@
1338 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1339 \let\@listi\@listI}
1340
1341 \def\thesis@titlePage@small{\fontsize\@xipt{13.6}\selectfont%
1342 \abovedisplayskip 11\p@ plus3\p@ minus6\p@
1343 \belowdisplayskip \abovedisplayskip
1344 \abovedisplayshortskip \z@ plus3\p@
1345 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1346 \def\@listi{\leftmargin\leftmarginI %% Added 22 Dec 87
1347 \parsep 4.5\p@ plus2\p@ minus\p@
1348 \itemsep \parsep
1349 \topsep 9\p@ plus3\p@ minus5\p@}}
1350
1351 \def\thesis@titlePage@footnotesize{\fontsize\@xpt{12}\selectfont%
1352 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1353 \belowdisplayskip \abovedisplayskip
1354 \abovedisplayshortskip \z@ plus3\p@
1355 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1356 \def\@listi{\leftmargin\leftmarginI %% Added 22 Dec 87
1357 \topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
1358 \itemsep \parsep}}
1359
1360 \def\thesis@titlePage@scriptsize{\fontsize\@viipt{9.5pt}\selectfont}
1361 \def\thesis@titlePage@tiny{\fontsize\@vipt{7pt}\selectfont}
1362 \def\thesis@titlePage@large{\fontsize\@xivpt{18pt}\selectfont}

```



```

1363 \def\thesis@titlePage@Large{\fontsize\@xvipt{22pt}\selectfont}
1364 \def\thesis@titlePage@LARGE{\fontsize\@xxpt{25pt}\selectfont}
1365 \def\thesis@titlePage@huge{\fontsize\@xxvpt{30pt}\selectfont}
1366 \def\thesis@titlePage@Huge{\fontsize\@xxvpt{30pt}\selectfont}
1367
1368 (*12pt)
1369 \renewcommand{\normalsize}{\thesis@titlePage@normalsize}
1370 \renewcommand{\small}{\thesis@titlePage@small}
1371 \renewcommand{\footnotesize}{\thesis@titlePage@footnotesize}
1372 \renewcommand{\scriptsize}{\thesis@titlePage@scriptsize}
1373 \renewcommand{\tiny}{\thesis@titlePage@tiny}
1374 \renewcommand{\large}{\thesis@titlePage@large}
1375 \renewcommand{\Large}{\thesis@titlePage@LARGE}
1376 \renewcommand{\LARGE}{\thesis@titlePage@LARGE}
1377 \renewcommand{\huge}{\thesis@titlePage@huge}
1378 \renewcommand{\Huge}{\thesis@titlePage@Huge}
1379 (/12pt)
1380 \let\@normalsize\normalsize
1381 \normalsize
1382
1383 \if@twoside
1384   \oddsidemargin 0.75in
1385   \evensidemargin 0.4in
1386   \marginparwidth 0pt
1387 \else
1388   \oddsidemargin 0.75in
1389   \evensidemargin 0.75in
1390   \marginparwidth 0pt
1391 \fi
1392 \marginparsep 10pt
1393
1394 \topmargin 0.4in
1395
1396 \headheight 20pt
1397 \headsep 10pt
1398 \topskip 10pt
1399 \footskip 30pt
1400
1401 (*10pt)
1402 \textheight = 43\baselineskip
1403 \advance\textheight by \topskip
1404 \textwidth 5.0truein
1405 \columnsep 10pt
1406 \columnseprule 0pt
1407
1408 \footnotesep 6.65pt
1409 \skip\footins 9pt plus 4pt minus 2pt
1410 \floatsep 12pt plus 2pt minus 2pt
1411 \textfloatsep 20pt plus 2pt minus 4pt
1412 \intextsep 12pt plus 2pt minus 2pt

```

```

1413\dblfloatsep 12pt plus 2pt minus 2pt
1414\dbltextfloatsep 20pt plus 2pt minus 4pt
1415
1416\@fptop 0pt plus 1fil
1417\@fpsep 8pt plus 2fil
1418\@fpbot 0pt plus 1fil
1419\@dblfpptop 0pt plus 1fil
1420\@dblfpsep 8pt plus 2fil
1421\@dblfpbot 0pt plus 1fil
1422\marginparpush 5pt
1423
1424\parskip 0pt plus 1pt
1425\partopsep 2pt plus 1pt minus 1pt
1426
1427</10pt>
1428%
1429<*11pt>
1430\textheight = 39\baselineskip
1431\advance\textheight by \topskip
1432\textwidth 5.0truein
1433\columnsep 10pt
1434\columnseprule 0pt
1435
1436\footnotesep 7.7pt
1437\skip\footins 10pt plus 4pt minus 2pt
1438\floatsep 12pt plus 2pt minus 2pt
1439\textfloatsep 20pt plus 2pt minus 4pt
1440\intextsep 12pt plus 2pt minus 2pt
1441\dblfloatsep 12pt plus 2pt minus 2pt
1442\dbltextfloatsep 20pt plus 2pt minus 4pt
1443
1444\@fptop 0pt plus 1fil
1445\@fpsep 8pt plus 2fil
1446\@fpbot 0pt plus 1fil
1447\@dblfpptop 0pt plus 1fil
1448\@dblfpsep 8pt plus 2fil
1449\@dblfpbot 0pt plus 1fil
1450\marginparpush 5pt
1451
1452\parskip 0pt plus 0pt
1453\partopsep 3pt plus 1pt minus 2pt
1454
1455</11pt>
1456%
1457<*12pt>
1458\textheight = 37\baselineskip
1459\advance\textheight by \topskip
1460\textwidth 5.0truein
1461\columnsep 10pt
1462\columnseprule 0pt

```

```

1463
1464 \footnotesep 8.4pt
1465 \skip\footins 10.8pt plus 4pt minus 2pt
1466 \floatsep 14pt plus 2pt minus 4pt
1467 \textfloatsep 20pt plus 2pt minus 4pt
1468 \intextsep 14pt plus 4pt minus 4pt
1469 \dblfloatsep 14pt plus 2pt minus 4pt
1470 \dbltextfloatsep 20pt plus 2pt minus 4pt
1471
1472 \@fptop 0pt plus 1fil
1473 \@fpsep 10pt plus 2fil
1474 \@fpbot 0pt plus 1fil
1475 \@dblfp top 0pt plus 1fil
1476 \@dblfpsep 10pt plus 2fil
1477 \@dblfpbot 0pt plus 1fil
1478 \marginparpush 7pt
1479
1480 \parskip 0pt plus 0pt
1481 \partopsep 3pt plus 2pt minus 2pt
1482
1483 </12pt>
1484 \@lowpenalty 51
1485 \@medpenalty 151
1486 \@highpenalty 301
1487 \@beginparpenalty -\@lowpenalty
1488 \@endparpenalty -\@lowpenalty
1489 \@itempenalty -\@lowpenalty
1490
1491 \def\@makechapterhead#1{%
1492   {%
1493     \setlength\parindent{\z@}%
1494     \setlength\parskip {\z@}%
1495     \ifnum
1496       \c@secnumdepth >\m@ne
1497       \par\nobreak
1498       \vskip 10\p@
1499     \fi
1500     \Large \ChapFont \thechapter{} \space #1\par
1501     \nobreak
1502     \vskip 20\p@
1503   }%
1504 }
1505
1506 \def\@makeschapterhead#1{%
1507   {%
1508     \setlength\parindent{\z@}%
1509     \setlength\parskip {\z@}%
1510     \Large \ChapFont #1\par
1511     \nobreak
1512     \vskip 20\p@

```

```

1513 }%
1514 }
1515
1516 \def\chapter{%
1517   \clearpage
1518   \thispagestyle{plain}
1519   \global\@topnum\z@
1520   \@afterindentfalse
1521   \secdef\@chapter\@schapter
1522 }
1523
1524 \def\@chapter[#1]#2{%
1525   \ifnum \c@secnumdepth
1526     >\m@ne
1527     \refstepcounter{chapter}%
1528     \typeout{\@chapapp\space\thechapter.}%
1529     \addcontentsline{toc}{chapter}{\protect
1530       \numberline{\thechapter}\bfseries #1}
1531   \else%
1532     \addcontentsline{toc}{chapter}{\bfseries #1}
1533   \fi
1534   \chaptermark{#1}%
1535   \addtocontents{lof}%
1536     {\protect\addvspace{4\p@}}
1537   \addtocontents{lot}%
1538     {\protect\addvspace{4\p@}}
1539   \if@twocolumn
1540     \@topnewpage[\@makechapterhead{#2}]%
1541   \else
1542     \@makechapterhead{#2}%
1543     \@afterheading
1544   \fi
1545 }
1546
1547 %\def\@schapter#1{\if@twocolumn \@topnewpage[\@makeschapterhead{#1}]%
1548 %   \else \@makeschapterhead{#1}%
1549 %   \markright{#1}
1550 %   \@afterheading\fi}
1551
1552 \def\section{\@startsection {section}{1}{\z@}{-3.5ex plus-1ex minus
1553   -.2ex}{2.3ex plus.2ex}{\reset@font\large\bfseries}}
1554 \def\subsection{\@startsection{subsection}{2}{\z@}{-3.25ex plus-1ex
1555   minus-.2ex}{1.5ex plus.2ex}{\reset@font\normalsize\bfseries}}
1556 \def\subsubsection{\@startsection{subsubsection}{3}{\z@}{-3.25ex plus
1557   -1ex minus-.2ex}{1.5ex plus.2ex}{\reset@font\normalsize}}
1558 \def\paragraph{\@startsection
1559   {paragraph}{4}{\z@}{3.25ex plus1ex minus.2ex}{-1em}{\reset@font
1560     \normalsize\bfseries}}
1561 \def\subparagraph{\@startsection
1562   {subparagraph}{4}{\parindent}{3.25ex plus1ex minus

```

```

1563 .2ex}{-1em}{\reset@font\normalsize\bfseries}}
1564
1565 \setcounter{secnumdepth}{2}
1566
1567 \def\appendix{\par
1568   \setcounter{chapter}{0}%
1569   \setcounter{section}{0}%
1570   \def\@chapapp{\appendixname}%
1571   \def\thechapter{\Alph{chapter}}}
1572
1573 \leftmargini 2.5em
1574 \leftmarginii 2.2em      % > \labelsep + width of '(m)'
1575 \leftmarginiii 1.87em    % > \labelsep + width of 'vii.'
1576 \leftmarginiv 1.7em     % > \labelsep + width of 'M.'
1577 \leftmarginv 1em
1578 \leftmarginvi 1em
1579
1580 \leftmargin\leftmargini
1581 \labelsep .5em
1582 \labelwidth\leftmargini\advance\labelwidth-\labelsep
1583
1584 (*10pt)
1585 \def\@listI{\leftmargin\leftmargini \parsep 4\p@ plus2\p@ minus\p@%
1586 \topsep 8\p@ plus2\p@ minus4\p@
1587 \itemsep 4\p@ plus2\p@ minus\p@}
1588
1589 \let\@listi\@listI
1590 \@listi
1591
1592 \def\@listii{\leftmargin\leftmarginii
1593   \labelwidth\leftmarginii\advance\labelwidth-\labelsep
1594   \topsep 4\p@ plus2\p@ minus\p@
1595   \parsep 2\p@ plus\p@ minus\p@
1596   \itemsep \parsep}
1597
1598 \def\@listiii{\leftmargin\leftmarginiii
1599   \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1600   \topsep 2\p@ plus\p@ minus\p@
1601   \parsep \z@ \partopsep\p@ plus\z@ minus\p@
1602   \itemsep \topsep}
1603
1604 \def\@listiv{\leftmargin\leftmarginiv
1605   \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1606
1607 \def\@listv{\leftmargin\leftmarginv
1608   \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1609
1610 \def\@listvi{\leftmargin\leftmarginvi
1611   \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1612 (/10pt)

```

```

1613 %
1614 (*11pt)
1615 \def\@listI{\leftmargin\leftmarginii \parsep 4.5\p@ plus2\p@ minus\p@
1616 \topsep 9\p@ plus3\p@ minus5\p@
1617 \itemsep 4.5\p@ plus2\p@ minus\p@}
1618
1619 \let\@listi\@listI
1620 \@listi
1621
1622 \def\@listii{\leftmargin\leftmarginiii
1623 \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1624 \topsep 4.5\p@ plus2\p@ minus\p@
1625 \parsep 2\p@ plus\p@ minus\p@
1626 \itemsep \parsep}
1627
1628 \def\@listiii{\leftmargin\leftmarginiiii
1629 \labelwidth\leftmarginiiii\advance\labelwidth-\labelsep
1630 \topsep 2\p@ plus\p@ minus\p@
1631 \parsep \z@ \partopsep \p@ plus\z@ minus\p@
1632 \itemsep \topsep}
1633
1634 \def\@listiv{\leftmargin\leftmarginiv
1635 \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1636
1637 \def\@listv{\leftmargin\leftmarginv
1638 \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1639
1640 \def\@listvi{\leftmargin\leftmarginvi
1641 \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1642 (/11pt)
1643 %
1644 (*12pt)
1645 \def\@listI{\leftmargin\leftmarginii \parsep 5\p@ plus2.5\p@ minus\p@
1646 \topsep 10\p@ plus4\p@ minus6\p@
1647 \itemsep 5\p@ plus2.5\p@ minus\p@}
1648
1649 \let\@listi\@listI
1650 \@listi
1651
1652 \def\@listii{\leftmargin\leftmarginiii
1653 \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1654 \topsep 5\p@ plus2.5\p@ minus\p@
1655 \parsep 2.5\p@ plus\p@ minus\p@
1656 \itemsep \parsep}
1657
1658 \def\@listiii{\leftmargin\leftmarginiiii
1659 \labelwidth\leftmarginiiii\advance\labelwidth-\labelsep
1660 \topsep 2.5\p@ plus\p@ minus\p@
1661 \parsep \z@ \partopsep \p@ plus\z@ minus\p@
1662 \itemsep \topsep}

```

```

1663
1664 \def\@listiv{\leftmargin\leftmarginiv
1665     \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1666
1667 \def\@listv{\leftmargin\leftmarginiv
1668     \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1669
1670 \def\@listvi{\leftmargin\leftmarginiv
1671     \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1672 \end{listgroup}
1673 \end{listgroup}

```

### 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 faculty<sup>1</sup>.

```

1674 \NeedsTeXFormat{LaTeX2e}
1675 \ProvidesPackage{fithesis/style/mu/fithesis-fi}[2015/06/27]

```

The file defines the color scheme of the respective faculty.

```

1676 \thesis@color@setup{
1677     links={HTML}{FFD451},
1678     tableEmph={HTML}{FFD451},
1679     tableOdd={HTML}{FFF9E5},
1680     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.

```

1681 \ifx\thesis@type\thesis@bachelors\else
1682 \ifx\thesis@type\thesis@masters\else
1683     \thesis@blocks@assignment@false
1684 \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

```

1685 \def\thesis@blocks@titlePage@content{%
1686     {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}\vskip 0.8in
1687     {\thesis@titlePage@large\sc\thesis@{typeName}}\vskip 0.3in}}
1688 {\thesis@titlePage@Large\bf\thesis@author}
1689 % If this is a rigorous thesis, typeset the name of the
1690 % thesis advisor.

```

<sup>1</sup>See [http://www.fi.muni.cz/docs/BP\\_DP\\_na\\_FI.pdf](http://www.fi.muni.cz/docs/BP_DP_na_FI.pdf)

```

1691 \ifx\thesis@type\thesis@rigorous%
1692   {\thesis@titlePage@large\[\[0.3in]
1693     {\bf\thesis@{advisorTitle}:} \thesis@advisor}
1694   \fi}%
1695 \def\thesis@blocks@titlePage@footer{%
1696   {\thesis@titlePage@large\thesis@place, \thesis@{semester}
1697   % If this is a rigorous thesis, create space for the advisor's
1698   % signature
1699   \ifx\thesis@type\thesis@rigorous%
1700     \let\@A\relax\newlength{\@A}
1701     \settowidth{\@A}{\thesis@{advisorSignature}}
1702     \setlength{\@A}{\@A+1cm}
1703     \hfill\raisebox{-0.5em}{\parbox{\@A}{
1704       \centering
1705       \rule{\@A}{1pt}\
1706       \thesis@{advisorSignature}
1707     }}
1708   \fi}}

```

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

```

1709 \def\thesis@blocks@declaration{%
1710   \thesis@blocks@clear%
1711   \begin{alwaysssingle}%
1712     \chapter*{\thesis@{declarationTitle}}%
1713     \thesis@declaration%
1714     \vskip 2cm%
1715     \hfill\thesis@author%
1716     \par\vfill\noindent%
1717     \textbf{\thesis@{advisorTitle}:} \thesis@advisor%
1718     \par\vfil%
1719   \end{alwaysssingle}}

```

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

```

1720 \def\thesis@preamble{%
1721   \thesis@blocks@cover%
1722   \thesis@blocks@titlePage%
1723   \thesis@blocks@frontMatter%
1724   \thesis@blocks@assignment%
1725   \thesis@blocks@declaration%
1726   \thesis@blocks@thanks%
1727   \thesis@blocks@clearRight%
1728   \thesis@blocks@abstract%
1729   \thesis@blocks@keywords%
1730   \thesis@blocks@tables%
1731   \thesis@blocks@mainMatter}

```



### 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 faculty<sup>2</sup>.

```
1732 \NeedsTeXFormat{LaTeX2e}
1733 \ProvidesPackage{fithesis/style/mu/fithesis-sci}[2015/06/27]
```

The file defines the color scheme of the respective faculty.

```
1734 \thesis@color@setup{
1735   links={HTML}{20E366},
1736   tableEmph={HTML}{8EDEAA},
1737   tableOdd={HTML}{EDF7F1},
1738   tableEven={HTML}{CCEDD8}}
```

The file uses Czech locale strings within the macros.

```
1739 \thesis@requireLocale{czech}
```

The file loads the following packages:

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

```
1740 \thesis@require{tikz}
1741 \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.

```
1742 \ifx\thesis@type\thesis@bachelors\else
1743 \ifx\thesis@type\thesis@masters\else
1744   \thesis@blocks@assignment@false
1745 \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:

<code>\thesis@czech@bib@title</code>	• <code>\thesis@czech@bib@title</code> – The title of the entire block
<code>\thesis@czech@bib@author</code>	• <code>\thesis@czech@bib@author</code> – The label of the author name entry
<code>\thesis@czech@bib@title</code>	• <code>\thesis@czech@bib@title</code> – The label of the title name entry
<code>\thesis@czech@bib@programme</code>	• <code>\thesis@czech@bib@programme</code> – The label of the programme name entry
<code>\thesis@czech@bib@field</code>	• <code>\thesis@czech@bib@field</code> – The label of the field of study name entry
<code>\thesis@czech@bib@advisor</code>	• <code>\thesis@czech@bib@advisor</code> – The label of the advisor name entry
<code>\thesis@czech@bib@academicYear</code>	• <code>\thesis@czech@bib@academicYear</code> – The label of the academic year entry

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

```

1746 \def\thesis@blocks@bibEntry{%
1747   \begin{alwaysingle}%
1748     {% Start the new chapter without clearing the right page
1749     {\def\cleardoublepage}%
1750     \chapter*{\thesis@czech@bib@title}}%
1751     % Calculate the width of the columns
1752     \let\@A\relax\newlength{\@A}\settowidth{\@A}{%
1753       \bf\thesis@czech@bib@author:}%
1754     \let\@B\relax\newlength{\@B}\settowidth{\@B}{%
1755       \bf\thesis@czech@bib@thesisTitle:}%
1756     \let\@C\relax\newlength{\@C}\settowidth{\@C}{%
1757       \bf\thesis@czech@bib@programme:}%
1758     \let\@D\relax\newlength{\@D}\settowidth{\@D}{%
1759       \bf\thesis@czech@bib@field:}%
1760     % Unless this is a rigorous thesis, we will be typesetting the
1761     % name of the thesis advisor.
1762     \let\@E\relax\newlength{\@E}
1763     \ifx\thesis@type\thesis@rigorous%
1764       \setlength{\@E}{0pt}%
1765     \else%
1766       \settowidth{\@E}{\bf\thesis@czech@bib@advisor:}%
1767     \fi%
1768     \let\@F\relax\newlength{\@F}\settowidth{\@F}{%
1769       \bf\thesis@czech@bib@academicYear:}%
1770     \let\@G\relax\newlength{\@G}\settowidth{\@G}{%
1771       \bf\thesis@czech@bib@pages:}%
1772     \let\@H\relax\newlength{\@H}\settowidth{\@H}{%
1773       \bf\thesis@czech@bib@keywords:}%
1774     \let\@skip\relax\newlength{\@skip}\setlength{\@skip}{16pt}
1775     \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
1776       max(\@A,\@B,\@C,\@D,\@E,\@F,\@G,\@H)}
1777     \let\@right\relax\newlength{\@right}\setlength{\@right}{%
1778       \textwidth-\@left-\@skip}
1779     % Typeset the table
1780     \renewcommand{\arraystretch}{2}
1781     \noindent\begin{thesis@newtable@old}%
1782       {@{p{\@left}{\hskip\@skip}p{\@right}{@}}
1783       \textbf{\thesis@czech@bib@author:} &
1784       \noindent\parbox[t]{\@right}{
1785         \thesis@author\\
1786         \thesis@czech@facultyName,
1787         \thesis@czech@universityName\\
1788         \thesis@department
1789       }\\
1790       \textbf{\thesis@czech@bib@thesisTitle:}

```

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

```

1791      & \thesis@title \\
1792      \textbf{\thesis@czech@bib@programme:}
1793      & \thesis@programme \\
1794      \textbf{\thesis@czech@bib@field:}
1795      & \thesis@field \\
1796      % Unless this is a rigorous thesis, typeset the name of the
1797      % thesis advisor.
1798      \ifx\thesis@type\thesis@rigorous\else%
1799      \textbf{\thesis@czech@bib@advisor:}
1800      & \thesis@advisor \\
1801      \fi
1802      \textbf{\thesis@czech@bib@academicYear:}
1803      & \thesis@academicYear \\
1804      \textbf{\thesis@czech@bib@pages:}
1805      & \thesis@pages \\
1806      \textbf{\thesis@czech@bib@keywords:}
1807      & \thesis@TeXkeywords \\
1808      \end{thesis@newtable@old}}
1809      \end{always@single}}

```

`\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:

- |   |  |
|---|--|
| <code>\thesis@english@bib@title</code>        | • <code>\thesis@english@bib@title</code> – The title of the entire block               |
| <code>\thesis@english@bib@author</code>       | • <code>\thesis@english@bib@author</code> – The label of the author name entry         |
| <code>\thesis@english@bib@title</code>        | • <code>\thesis@english@bib@title</code> – The label of the title name entry           |
| <code>\thesis@english@bib@programme</code>    | • <code>\thesis@english@bib@programme</code> – The label of the programme name entry   |
| <code>\thesis@english@bib@field</code>        | • <code>\thesis@english@bib@field</code> – The label of the field of study name entry  |
| <code>\thesis@english@bib@advisor</code>      | • <code>\thesis@english@bib@advisor</code> – The label of the advisor name entry       |
| <code>\thesis@english@bib@academicYear</code> | • <code>\thesis@english@bib@academicYear</code> – The label of the academic year entry |
| <code>\thesis@english@bib@pages</code>        | • <code>\thesis@english@bib@pages</code> – The label of the number of pages entry      |
| <code>\thesis@english@bib@keywords</code>     | • <code>\thesis@english@bib@keywords</code> – The label of the keywords entry          |

```

1810 \def\thesis@blocks@bibEntryEn{%
1811   {\thesis@selectLocale{english}
1812   \begin{always@single}
1813     % Start the new chapter without clearing the right page
1814     {\def\cleardoublepage{}%
1815     \chapter*{\thesis@english@bib@title}}%
1816     {% Calculate the width of the columns
1817     \let\@A\relax\newlength{\@A}\settowidth{\@A}{%
1818       \bf\thesis@english@bib@author:}%
1819     \let\@B\relax\newlength{\@B}\settowidth{\@B}{%

```

```

1820 \bf\thesis@english@bib@thesisTitle:}}
1821 \let\@C\relax\newlength{\@C}\settowidth{\@C}{\%
1822 \bf\thesis@english@bib@programme:}}
1823 \let\@D\relax\newlength{\@D}\settowidth{\@D}{\%
1824 \bf\thesis@english@bib@field:}}
1825 % Unless this is a rigorous thesis, we will be typesetting
1826 % the name of the thesis advisor.
1827 \let\@E\relax\newlength{\@E}
1828 \ifx\thesis@type\thesis@rigorous%
1829 \setlength{\@E}{0pt}%
1830 \else%
1831 \settowidth{\@E}{\bf\thesis@english@bib@advisor:}}
1832 \fi%
1833 \let\@F\relax\newlength{\@F}\settowidth{\@F}{\%
1834 \bf\thesis@english@bib@academicYear:}}
1835 \let\@G\relax\newlength{\@G}\settowidth{\@G}{\%
1836 \bf\thesis@english@bib@pages:}}
1837 \let\@H\relax\newlength{\@H}\settowidth{\@H}{\%
1838 \bf\thesis@english@bib@keywords:}}
1839 \let\@skip\relax\newlength{\@skip}\setlength{\@skip}{16pt}
1840 \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
1841 max(\@A,\@B,\@C,\@D,\@E,\@F,\@G,\@H)}
1842 \let\@right\relax\newlength{\@right}\setlength{\@right}{%
1843 \textwidth-\@left-\@skip}
1844 % Typeset the table
1845 \renewcommand{\arraystretch}{2}
1846 \noindent\begin{thesis@newtable@old}%
1847 {\@{p}{\@left}{\hskip\@skip}p{\@right}{@{}}
1848 \textbf{\thesis@english@bib@author:} &
1849 \noindent\parbox[t]{\@right}{
1850 \thesis@author\\
1851 \thesis@english@facultyName,
1852 \thesis@english@universityName\\
1853 \thesis@departmentEn
1854 }\\
1855 \textbf{\thesis@english@bib@thesisTitle:}
1856 & \thesis@titleEn \\
1857 \textbf{\thesis@english@bib@programme:}
1858 & \thesis@programmeEn \\
1859 \textbf{\thesis@english@bib@field:}
1860 & \thesis@fieldEn \\
1861 % Unless this is a rigorous thesis, typeset the name of the
1862 % thesis advisor.
1863 \ifx\thesis@type\thesis@rigorous\else%
1864 \textbf{\thesis@english@bib@advisor:}
1865 & \thesis@advisor \\
1866 \fi
1867 \textbf{\thesis@english@bib@academicYear:}
1868 & \thesis@academicYear \\
1869 \textbf{\thesis@english@bib@pages:}

```

```

1870      & \thesis@pages \\\
1871      \textbf{\thesis@english@bib@keywords:}
1872      & \thesis@TeXkeywordsEn \\\
1873      \end{thesis@newtable@old}}
1874  \end{alwaysssingle}
1875  }}

```

`\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.

```

1876 \def\thesis@blocks@frontMatter{%
1877   \pagestyle{empty}
1878   \parindent 1.5em
1879   \setcounter{page}{1}
1880   \pagenumbering{roman}}

```

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

```

1881 \def\thesis@blocks@cover{%
1882   \ifthesis@cover@
1883     \thesis@blocks@clear
1884     \begin{alwaysssingle}
1885       \thispagestyle{empty}
1886       \begin{center}
1887         {\sc\thesis@titlePage@LARGE\thesis@czech@universityName\\%
1888          \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%
1889          \thesis@titlePage@large\thesis@department}
1890         \vfill
1891         {\bf\thesis@titlePage@Huge\thesis@czech@typeName}
1892         \vfill
1893         {\thesis@titlePage@large\thesis@place
1894          \ \thesis@year\hfill\thesis@author}
1895         \end{center}
1896       \end{alwaysssingle}
1897   \fi}

```

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

```

1898 \def\thesis@blocks@titlePage{%
1899   \thesis@blocks@clear
1900   \begin{alwaysssingle}
1901     \thispagestyle{empty}
1902     % The top of the page
1903     \begin{adjustwidth}{-12mm}{ }
1904       \begin{minipage}{30mm}
1905         \thesis@blocks@universityLogo@color[width=30mm]
1906       \end{minipage}\begin{minipage}{89mm}
1907         \begin{center}
1908           {\sc\thesis@titlePage@LARGE\thesis@czech@universityName\\%

```

```

1909          \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%
1910          \thesis@titlePage@normalsize\thesis@department}
1911          \rule{\textwidth}{2pt}\vspace*{2mm}
1912      \end{center}
1913  \end{minipage}\begin{minipage}{30mm}
1914      \thesis@blocks@facultyLogo@color[width=30mm]
1915  \end{minipage}
1916 \end{adjustwidth}
1917 % The middle of the page
1918 \vfill
1919 \parbox\textwidth{% Prevent vfills from squashing the leading
1920     \bf\thesis@titlePage@Huge\thesis@TeXtitle}
1921 {\thesis@titlePage@Huge\\[0.8em]}
1922 {\thesis@titlePage@large\thesis@czech@typeName\\[1em]}
1923 {\bf\thesis@titlePage@LARGE\thesis@author\\}
1924 \vfill\noindent
1925 % The bottom of the page
1926 {\bf\thesis@titlePage@normalsize%
1927     % Unless this is a rigorous thesis, typeset the name of the
1928     % thesis advisor.
1929     \ifx\thesis@type\thesis@rigorous\else%
1930         \thesis@czech@advisorTitle: \thesis@advisor\hfill%
1931     \fi%
1932     \thesis@place\ \thesis@year}
1933 \end{alwaysssingle}}

```

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

```

1934 \def\thesis@preamble{%
1935     {\thesis@selectLocale{czech}%
1936     \thesis@blocks@cover%
1937     \thesis@blocks@frontMatter%
1938     \thesis@blocks@titlePage%
1939     \thesis@blocks@clearRight%
1940     \thesis@blocks@bibEntry%
1941     \thesis@blocks@bibEntryEn%
1942     \thesis@blocks@abstract%
1943     \thesis@blocks@abstractEn%
1944     \thesis@blocks@assignment%
1945     \thesis@blocks@thanks%
1946     \thesis@blocks@declaration%
1947     \thesis@blocks@tables}%
1948     \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 faculty<sup>3</sup>.

```
1949 \NeedsTeXFormat{LaTeX2e}
1950 \ProvidesPackage{fithesis/style/mu/fithesis-phil}[2015/06/27]
```

The file defines the color scheme of the respective faculty.

```
1951 \thesis@color@setup{
1952   links={HTML}{6FCEF2},
1953   tableEmph={HTML}{78CEF0},
1954   tableOdd={HTML}{EBF6FA},
1955   tableEven={HTML}{D0EBF5}}
```

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

```
1956 \thesis@blocks@titlePage@department@true
1957 \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.

```
1958 \def\thesis@preamble{%
1959   \thesis@blocks@cover%
1960   \thesis@blocks@titlePage%
1961   \thesis@blocks@frontMatter%
1962   \thesis@blocks@declaration%
1963   \thesis@blocks@thanks%
1964   \thesis@blocks@tables%
1965   \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 faculty<sup>4</sup>.

```
1966 \NeedsTeXFormat{LaTeX2e}
1967 \ProvidesPackage{fithesis/style/mu/fithesis-ped}[2015/06/27]
```

The file defines the color scheme of the respective faculty.

```
1968 \thesis@color@setup{
1969   links={HTML}{FFA02F},
1970   tableEmph={HTML}{FFBB6B},
1971   tableOdd={HTML}{FFF1E0},
1972   tableEven={HTML}{FFDEB7}}
```

<sup>3</sup>See [http://is.muni.cz/auth/do/1421/4581421/Vzor\\_bakalarske\\_prace.pdf](http://is.muni.cz/auth/do/1421/4581421/Vzor_bakalarske_prace.pdf)

<sup>4</sup>See [http://is.muni.cz/do/ped/VPAN/pokdek/Pokyn\\_dekana\\_c.\\_1-2010\\_\\_2\\_.pdf](http://is.muni.cz/do/ped/VPAN/pokdek/Pokyn_dekana_c._1-2010__2_.pdf)

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

```

1973 \thesis@blocks@titlePage@department@true
1974 \def\thesis@blocks@titlePage@content{%
1975     {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}\vskip 0.8in
1976     {\thesis@titlePage@large\sc\thesis@@{typeName}\[0.3in]}
1977     {\thesis@titlePage@Large\bf\thesis@author}
1978     % Typeset the name of the thesis advisor.
1979     {\thesis@titlePage@large\[0.3in]
1980     {\bf\thesis@@{advisorTitle}:} \thesis@advisor}}

```

`\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

```

1981 \def\thesis@blocks@bibEntry{%
1982     \chapter*{\thesis@@{bib@title}}
1983     \noindent\thesis@upper{author@tail}, \thesis@author@head.
1984     \emph{\thesis@title}. \thesis@place: \thesis@@{universityName},
1985     \thesis@@{facultyName}, \thesis@department, \thesis@year.
1986     \thesis@pages\ \thesis@@{bib@pages}.
1987     \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.

```

1988 \def\thesis@preamble{%
1989     \thesis@blocks@cover%
1990     \thesis@blocks@titlePage%
1991     \thesis@blocks@frontMatter%
1992     \thesis@blocks@bibEntry%
1993     \thesis@blocks@clearRight%
1994     \thesis@blocks@abstract%
1995     \thesis@blocks@abstractEn%
1996     \thesis@blocks@keywords%
1997     \thesis@blocks@keywordsEn%
1998     \thesis@blocks@declaration%
1999     \thesis@blocks@thanks%
2000     \thesis@blocks@tables%
2001     \thesis@blocks@mainMatter}

```

### 3.6.7 The style files of the Faculty of Social Studies

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

This is the style file for the theses written at the Faculty of Social Studies at the Masaryk University in Brno. Because of the inexistence of faculty-wide formal



requirements and recommendations with each department defining their own with varying degrees of rigour<sup>5</sup>, this style is a mere skeleton, which is unlikely to satisfy the exact requirements of any department and will require modification by the user.

```
2002 \NeedsTeXFormat{LaTeX2e}
2003 \ProvidesPackage{fithesis/style/mu/fithesis-fss}[2015/06/27]
```

The file defines the color scheme of the respective faculty.

```
2004 \thesis@color@setup{
2005   links={HTML}{58EDD7},
2006   tableEmph={HTML}{69D6C6},
2007   tableOdd={HTML}{E3F1EE},
2008   tableEven={HTML}{C5E3DF}}
```

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

```
2009 \def\thesis@blocks@frontMatter{%
2010   \pagestyle{plain}
2011   \parindent 1.5em
2012   \setcounter{page}{1}
2013   \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.

```
2014 \def\thesis@preamble{%
2015   \thesis@blocks@cover%
2016   \thesis@blocks@titlePage%
2017   \thesis@blocks@frontMatter%
2018   \thesis@blocks@clearRight%
2019   \thesis@blocks@abstract%
2020   \thesis@blocks@abstractEn%
2021   \thesis@blocks@keywords%
2022   \thesis@blocks@keywordsEn%
2023   \thesis@blocks@assignment%
2024   \thesis@blocks@declaration%
2025   \thesis@blocks@thanks%
2026   \thesis@blocks@tables%
2027   \thesis@blocks@mainMatter}
```

### 3.6.8 The style files of the Faculty of Law

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

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

<sup>5</sup>See <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>

published at the website of the faculty<sup>6</sup>.

```
2028 \NeedsTeXFormat{LaTeX2e}
2029 \ProvidesPackage{fithesis/style/mu/fithesis-law}[2015/06/27]
```

The file defines the color scheme of the respective faculty.

```
2030 \thesis@color@setup{
2031   links={HTML}{CF86EB},
2032   tableEmph={HTML}{D39BE8},
2033   tableOdd={HTML}{F2EBF5},
2034   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.

```
2035 \def\thesis@blocks@cover@header{%
2036   {\sc\thesis@titlePage@Large\thesis@@{facultyLongName}}\%
2037   \thesis@titlePage@large\thesis@department\\vskip 2em}}
2038 \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.

```
2039 \def\thesis@blocks@frontMatter{%
2040   \thesis@blocks@clear
2041   \pagestyle{plain}
2042   \parindent 1.5em
2043   \setcounter{page}{1}
2044   \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.

```
2045 \def\thesis@blocks@mainMatter{%
2046   \thesis@blocks@clear
2047   \pagestyle{thesisheadings}
2048   \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.

```
2049 \def\thesis@preamble{%
2050   \thesis@blocks@cover%
2051   \thesis@blocks@titlePage%
2052   \thesis@blocks@frontMatter%
2053   \thesis@blocks@declaration%
```

---

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

```

2054 \thesis@blocks@clearRight%
2055 \thesis@blocks@abstract%
2056 \thesis@blocks@abstractEn%
2057 \thesis@blocks@keywords%
2058 \thesis@blocks@keywordsEn%
2059 \thesis@blocks@thanks%
2060 \thesis@blocks@tables%
2061 \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.

```

2062 \def\thesis@postamble{%
2063 \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 faculty<sup>7</sup>.

```

2064 \NeedsTeXFormat{LaTeX2e}
2065 \ProvidesPackage{fithesis/style/mu/fithesis-econ}[2015/11/17]

```

The file defines the color scheme of the respective faculty.

```

2066 \thesis@color@setup{
2067 links={HTML}{F27995},
2068 tableEmph={HTML}{E8B88B},
2069 tableOdd={HTML}{F5ECEB},
2070 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.

```

2071 \thesis@require{tikz}
2072 \thesis@require{geometry}
2073 \geometry{top=25mm,bottom=20mm,left=25mm,right=25mm,includeheadfoot}

```

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

```

2074 \def\thesis@blocks@cover{%
2075 \ifthesis@cover@
2076 \thesis@blocks@clear

```

---

<sup>7</sup>See <http://is.muni.cz/auth/do/econ/predpisy/smernice/prehled/45931363/Smernice2014-9.pdf>

```

2077 \begin{alwaysingle}
2078   \thispagestyle{empty}
2079   \begin{center}
2080     {\sc\thesis@titlePage@LARGE\thesis@{universityName}}\%
2081     \thesis@titlePage@Large\thesis@{facultyName}}\}
2082     \vfill
2083     {\bf\thesis@titlePage@Huge\thesis@{typeName}}
2084     \vfill
2085     {\thesis@titlePage@large\thesis@place
2086     \ \thesis@year\hfill\thesis@author}
2087   \end{center}
2088 \end{alwaysingle}
2089 \fi}

```

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

```

2090 \thesis@blocks@titlePage@field@true
2091 \def\thesis@blocks@titlePage@content{%
2092   {\thesis@titlePage@Huge\bf\thesis@TeXtitle}
2093   \ifthesis@english\else
2094     {\[0.1in]\thesis@titlePage@Large\bf\thesis@TeXtitleEn}
2095   \fi {\[0.3in]\thesis@titlePage@large\sc\thesis@{typeName}}\}
2096 \def\thesis@blocks@titlePage@footer{%
2097   {\thesis@titlePage@large
2098     {% Calculate the width of the thesis author and advisor boxes
2099       \let\@A\relax\newlength{\@A}\settowidth{\@A}{\%
2100         \bf\thesis@{advisorTitle}:}}
2101       \let\@B\relax\newlength{\@B}\settowidth{\@B}{\thesis@advisor}
2102       \let\@C\relax\newlength{\@C}\settowidth{\@C}{\%
2103         \bf\thesis@{authorTitle}:}}
2104       \let\@D\relax\newlength{\@D}\settowidth{\@D}{\thesis@author}
2105       \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
2106         max(\@A,\@B)}
2107       \let\@right\relax\newlength{\@right}\pgfmathsetlength{\@right}{%
2108         max(\@C,\@D)}
2109       % Typeset the thesis author and advisor boxes
2110       \vskip 2in\begin{minipage}[t]{\@left}
2111         {\bf\thesis@{advisorTitle}:}\thesis@advisor
2112       \end{minipage}\hfill\begin{minipage}[t]{\@right}
2113         {\bf\thesis@{authorTitle}:}\thesis@author
2114       \end{minipage}}\[4em]\thesis@place, \thesis@year}}

```

`\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.

```

2115 \def\thesis@blocks@frontMatter{%
2116   \thesis@blocks@clear
2117   % In case of double-sided typesetting, change the geometry
2118   \ifthesis@twoside@
2119     \newgeometry{top=25mm,bottom=20mm,left=35mm,
2120       right=15mm, includeheadfoot}
2121   \fi\pagestyle{empty}
2122   \parindent 1.5em
2123   \setcounter{page}{1}
2124   \pagenumbering{arabic}}

```

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

```

2125 \def\thesis@blocks@mainMatter{%
2126   \thesis@blocks@clear
2127   \pagestyle{thesisheadings}
2128   \parindent 1.5em\relax}

```

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

```

2129 \def\thesis@blocks@toc{%
2130   \thesis@blocks@clear%
2131   \tableofcontents}

```

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

```

2132 \def\thesis@blocks@tables{%
2133   \thesis@blocks@clear%
2134   \thesis@blocks@lot%
2135   \thesis@blocks@lof}

```

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

```

2136 \ifx\thesis@blocks@lot\empty\else
2137   \def\thesis@blocks@lot{%
2138     \thesis@blocks@clear
2139     \phantomsection
2140     \addcontentsline{toc}{chapter}{\listtablename}%
2141     \listoftables}
2142 \fi
2143
2144 \ifx\thesis@blocks@lof\empty\else
2145   \def\thesis@blocks@lof{%
2146     \thesis@blocks@clear
2147     \phantomsection
2148     \addcontentsline{toc}{chapter}{\listfigurename}%
2149     \listoffigures}
2150 \fi

```

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

```

2151 \def\thesis@preamble{%
2152   \thesis@blocks@cover%
2153   \thesis@blocks@frontMatter%
2154   \thesis@blocks@titlePage%
2155   \thesis@blocks@assignment%
2156   \thesis@blocks@clearRight%
2157   \thesis@blocks@abstract%
2158   \thesis@blocks@abstractEn%
2159   \thesis@blocks@keywords%
2160   \thesis@blocks@keywordsEn%
2161   \thesis@blocks@declaration%
2162   \thesis@blocks@thanks%
2163   \thesis@blocks@toc%
2164   \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.

```

2165 \def\thesis@postamble{%
2166   \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 Orthoptics<sup>8</sup>.

```

2167 \NeedsTeXFormat{LaTeX2e}
2168 \ProvidesPackage{fithesis/style/mu/fithesis-med}[2015/06/27]

```

The file defines the color scheme of the respective faculty.

```

2169 \thesis@color@setup{
2170   links={HTML}{F58E76},
2171   tableEmph={HTML}{FF9D85},
2172   tableOdd={HTML}{FFF5F6},
2173   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.

---

<sup>8</sup>See [http://is.muni.cz/do/med/zpravyprac/Optometrie/NALEZITOSTI\\_ZAVERECNE\\_PRACE.doc](http://is.muni.cz/do/med/zpravyprac/Optometrie/NALEZITOSTI_ZAVERECNE_PRACE.doc)

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.

```
2174 \thesis@require{tikz}
2175 \thesis@require{geometry}
2176 \thesis@require{setspace}
2177 \geometry{top=25mm,bottom=20mm,left=25mm,right=25mm,includeheadfoot}
```

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

```
2178 \def\thesis@blocks@cover{%
2179   \ifthesis@cover@
2180     \thesis@blocks@clear
2181     \begin{alwaysingle}
2182       \thispagestyle{empty}
2183       \begin{center}
2184         {\sc\thesis@titlePage@LARGE\thesis@@{universityName}}\\%
2185         \thesis@titlePage@Large\thesis@@{facultyName}}\\}
2186       \vfill
2187       {\bf\thesis@titlePage@Huge\thesis@@{typeName}}
2188       \vfill
2189       {\thesis@titlePage@large\thesis@place
2190        \ \thesis@year\hfill\thesis@author}
2191       \end{center}
2192     \end{alwaysingle}
2193   \fi}
```

The style file redefines the title page content not to include the author's name and the title page footer to include both the author's and advisor's name, the field of study and the semester and place of the thesis defense in accordance with the requirements of the department.

```
2194 \def\thesis@blocks@titlePage@content{%
2195   {\thesis@titlePage@Huge\bf\thesis@TeXtitle\\[0.3in]}%
2196   {\thesis@titlePage@large{\sc\thesis@@{typeName}}\\}}
2197 \def\thesis@blocks@titlePage@footer{%
2198   {\thesis@titlePage@large
2199     {% Calculate the width of the thesis author and advisor boxes
2200       \let\@A\relax\newlength{\@A}\settowidth{\@A}{\{%
2201         \bf\thesis@@{advisorTitle}:}}
2202       \let\@B\relax\newlength{\@B}\settowidth{\@B}{\thesis@advisor}
2203       \let\@C\relax\newlength{\@C}\settowidth{\@C}{\{%
2204         \bf\thesis@@{authorTitle}:}}
2205       \let\@D\relax\newlength{\@D}\settowidth{\@D}{\thesis@author}
2206       \let\@E\relax\newlength{\@E}\settowidth{\@E}{\{%
2207         \bf\thesis@@{fieldTitle}:}}
2208       \let\@F\relax\newlength{\@F}\settowidth{\@F}{\thesis@field}
2209       \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{\%
2210         max(\@A,\@B)}
2211       \let\@right\relax\newlength{\@right}\pgfmathsetlength{\@right}{\%
2212         max(\@C,\@D,\@E,\@F)}
```

```

2213 % Typeset the thesis author and advisor boxes
2214 \vskip 2in\begin{minipage}[t]{\@left}
2215   {\bf\thesis@{advisorTitle}:}\\\thesis@advisor
2216 \end{minipage}\hfill\begin{minipage}[t]{\@right}
2217   {\bf\thesis@{authorTitle}:}\\\thesis@author
2218   \\\[1em]{\bf\thesis@{fieldTitle}:}\\\thesis@field
2219 \end{minipage}}\\\[4em]\thesis@place, \thesis@{semester}}}}

```

`\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.

```

2220 \def\thesis@blocks@frontMatter{%
2221   \thesis@blocks@clear
2222   % In case of double-sided typesetting, change the geometry
2223   \ifthesis@twoside@
2224     \newgeometry{top=25mm,bottom=20mm,left=35mm,
2225       right=15mm, includeheadfoot}
2226   \fi\pagestyle{empty}
2227   \parindent 1.5em
2228   \setcounter{page}{1}
2229   \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

```

2230 \def\thesis@blocks@bibEntry{%
2231   \chapter*{\thesis@{bib@title}}
2232   \noindent\thesis@upper{author@tail}, \thesis@author@head.
2233   \emph{\thesis@title}. \thesis@place: \thesis@{universityName},
2234   \thesis@{facultyName}, \thesis@department, \thesis@year.
2235   \thesis@pages\ \thesis@{bib@pages}.
2236   \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.

```

2237 \def\thesis@preamble{%
2238   \thesis@blocks@cover%
2239   \thesis@blocks@frontMatter%
2240   \thesis@blocks@titlePage%
2241   \onehalfspacing%
2242   \thesis@blocks@clearRight%
2243   \thesis@blocks@abstract%
2244   \thesis@blocks@abstractEn%

```



```

2245 \thesis@blocks@keywords%
2246 \thesis@blocks@keywordsEn%
2247 \thesis@blocks@bibEntry%
2248 \thesis@blocks@declaration%
2249 \thesis@blocks@thanks%
2250 \thesis@blocks@tables%
2251 \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 faculty<sup>9</sup>.

```

2252 \NeedsTeXFormat{LaTeX2e}
2253 \ProvidesPackage{fithesis/style/mu/fithesis-fsps}[2015/11/08]

```

The file defines the color scheme of the respective faculty.

```

2254 \thesis@color@setup{
2255   links={HTML}{93BCF5},
2256   tableEmph={HTML}{A8BDE3},
2257   tableOdd={HTML}{EBEFF5},
2258   tableEven={HTML}{D1DAEB}}

```

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

```

2259 \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.

```

2260 \def\thesis@preamble{%
2261   \thesis@blocks@cover%
2262   \thesis@blocks@titlePage%
2263   \thesis@blocks@frontMatter%
2264   \thesis@blocks@declaration%
2265   \thesis@blocks@thanks%
2266   \thesis@blocks@tables%
2267   \thesis@blocks@mainMatter}

```

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<sup>9</sup>See [http://www.fsps.muni.cz/~korvas/pokyny\\_k\\_zaverecne\\_praci.doc](http://www.fsps.muni.cz/~korvas/pokyny_k_zaverecne_praci.doc)

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## Change History

v0.0	General: bachelor project of Daniel Marek under supervision of Petr Sojka	to rapport3 [JP]	205
v0.0a	General: changes by Jan Pavlovič to allow fithesis being backend of docbook based system for thesis writing	v0.2.01	General: add subsubsection to toc [JP]
v0.1	General: new release, documentation editing (CZ only, sorry) [PS]	v0.2.02	General: fix encoding bug [JP]
v0.1a	General: minor documentation changes (CZ only, sorry) [PS]	v0.2.03	General: fix title spacing [PS, JP]
v0.1b	General: change of default size (11pt→12pt) [JP]	v0.2.04	General: fix SK declaration [Peter Cerensky, JP]
v0.1c	General: default values of \facultyname and \@thesissubtitle set for backward compatibility) [PS]	v0.2.05	General: add English abstract [JP]
v0.1d	General: removed def schapter from fit1*.clo [JP]	v0.2.06	General: fix : behind Advisor [JP]
v0.1e	General: add Brno to MU title [JP]	v0.2.07	General: escape all Czech letters [JP] babel is used instead of stupid package czech [JP] \MainMatter should be placed after \tablesofcontents [PS]
v0.1f	General: add documentation for hyperref [JP]	v0.2.08	General: add change of University name [JP]
v0.1g	General: change of default size (12pt→11pt) [JP]	v0.2.09	General: add EN version of University name [JP]
v0.2.00	General: add sk lang [JP, Peter Cerensky] set default cls class	v0.2.10	General: fix EN name of Acknowledgement [JP]
		v0.2.11	General: fix missing fi-logo.mf [JP,PS]
		v0.2.12	General: Licence change to the LPPL [JP]

v0.2.12a	General: fork fithesis2 by Mr. Filipčík and Janoušek; cf. <a href="http://github.com/liskin/fithesis">http://github.com/liskin/fithesis</a> . . . . .	205
v0.3.00	General: fi logo is no longer special-cased (added eps and PDF), \thesislogopath added to set the logo directory path, \thesiscolor added to enable colorful typo elements [VN] . . . . .	205
v0.3.01	General: documentation now uses babel and cmap packages. the entire file was transcoded into utf8, \thesiscolor was replaced by color class option, added PDF metadata stamping support [VN] . . . . .	205
v0.3.02	General: PDF metadata stamping added for \thesisitle and \thesisstudent [VN] . . . . .	205
v0.3.03	General: Small fixes (added \relax at \MainMatter), generating both fithesis.cls (obsolete, loading fithesis2.cls and fithesis2.cls, minor doc edits, version numbering of .clo fixed, switch to utf8 and ensuring that .dtx compiles. Documentation adjusted to the status quo, added link to discussion forum (backport of v0.2.14) [PS] . . . . .	205
v0.3.04	General: Import the url package to allow for the use of \url within the documentation. (backport of v0.2.15@r13) [VN] . . . . .	205
v0.3.05	General: Added support for change typesetting. Restructured the code to make it more amenable to literal programming. Added support for \CodelineIndex typesetting. Added information about the usage of fithesis1 and fithesis2 on the FI unix machines. (backport of v0.2.16) [VN] Minor changes throughout the text, added a link to the the fithesis forums [PS] (backport of v0.2.15@r14:15) . . . . .	205
v0.3.06	General: Added the colorx package and the base colors for each faculty. If the color option is specified, the tabular environment gets redefined and uses the faculty colors to color alternating table rows to improve readability. The hyperref links in the e-version are now likewise colored according to the chosen faculty, in this case regardless of the presence of the color option. Dropped the support for typesetting theses outside MU. [VN] . . . . .	205
v0.3.07	General: Replaced the \thesiswoman command with \thesisgender. [VN] . . . . .	205
v0.3.08	General: Fixed a non-terminated \if condition. [VN] (backport of v0.2.18) Fixed mostly documentation errors reported at the new fithesis discussion forum (-ti, eco→econ, implicit twocolumn, example extended (font setup), etc.). [PS] (backport of v0.2.17) . . . . .	205
v0.3.09	General: A complete refactoring of the class. The class was decomposed into a base class, locale files and style files. [VN] . . . . .	205
v0.3.10	General: Fixed a typo in the technical documentation. Updated the <i>Advanced usage</i> chapter of the user guide. The required packaged listed in Section 2.2 of the user guide are now always correct. Adjusted the footer spacing in the styles of econ and fi. Added <i>Advanced usage</i> chapter to the user guide.	

	Added the description of basic options into the user guide. Added the table and oldtable options. Added the type field to the guide for completeness. [VN] . . . . .	205
v0.3.11	General: Added hyphenation into the technical documentation. Fixed an unterminated group. Polished the text of the guide. Added the palatino and nopalatino options. Stylistic changes to the text of the technical documentation. \thesis@subdir is now robust against relative paths. Accounted for French spacing in the guide. Fixed the thesis@english@facultyName string. Documentation refinements. [VN] . . . . .	205
v0.3.12	General: The subsections and subsections now use the correct tocdepth. [VN] . . . . .	205
v0.3.13	General: Fixed an inconsistency in the example code. Removed an extraneous \thesis@blocks@clear block withing the definition of \thesis@blocks@frontMatter in the fss style file. Added comments, fixed clubs and widows and removed text overflows within the user guides. Adjusted the colors of various style files. Removed the trailing dot in the bibliographic identification within the med and ped style files. Fixed a typo within the technical documentation. Fixed the twoside alignment of the \thesis@blocks@bibEntry and the \thesis@blocks@bibEntryEn blocks within the sci style file. The \thesis@blocks@assignment block no longer clears a page when nothing is inserted.	
	It is also no longer hard-coded to be hidden for rigorous theses. Instead, the \ifthesis@blocks@assignment conditional can be set either by the subsequently loaded style files or by the user. So far, only the fi and sci style files set the conditional. [VN] . . . . .	205
v0.3.14	General: Updated the documentation. [VN] . . . . .	205
v0.3.15	General: Renamed \thesis@requireStyle to \thesis@requireWithOptions and moved the style loader from the \thesis@load routine to a new \thesis@requireStyle macro to make the semantics of \thesis@requireLocale and \thesis@requireStyle more similar. Changed the basepath, logopath, localepath and stylepath keys to match the lower camelcasing of the rest of the keys. Added further description regarding the use of the assignment key. [VN] . . .	205
v0.3.16	General: Clubs and widows are now set to be infinitely bad. The assignment key has weaker, but more robust semantics now. [VN] . . . . .	205
v0.3.17	General: Changed a forgotten \thesis@lower{...} invocation in the definition of \thesis@czech@declaration for the Faculty of Arts into \thesis@lower{czech...}, so that the macro always expands to the correct output regardless of the current locale. This is merely a matter of consistency, since the style file of the Faculty of Arts only uses Czech strings within the Czech locale. Removed an extraneous comment. Fixed a unit test.	



	Fixed a changelog entry. [VN]	205			
v0.3.18	General: A bulk of changes required to submit the document class to CTAN: Changed the structure of the output fithesis3.ctan.zip archive. Updated the license notice. Added a README file. Canonicalized a url within the user guides. Renamed the root directory from fithesis3/ to fithesis/. Refactored the makefiles. Added developer example files. Renamed docstrip.cfg to LICENSE.tex to better describe its role. The fithesis.dtx file now generates a VERSION.tex file containing the version of the package, when it's being typeset. Flattened the logo/ directory structure. [VN]	205			
					nate a warning. Performed several minor Makefile updates. Updated the technical documentation. [VN]
			v0.3.21	General: Fixed an invalid font name. [VN]	205
			v0.3.22	General: Updated the link colors in the style of the Faculty of Economics and Administration at the Masaryk University in Brno and fixed the title page leading in the style of the Faculty of Science at the Masaryk University in Brno. [VN]	205
			v0.3.23	General: Fixed a typo in the Slovak locale. [VN]	205
			v0.3.24	General: Added the \thesis@backend tunable. The hyphenation pattern switching now uses polyglossia instead of crude \language switching whenever possible. Added the opt-out microtype class option, which loads the microtypographic extension. The \thesis@locale@summer and @winter locale macros were renamed to @spring and @fall. The \thesis@parseDate now uses more realistic month ranges to set \thesis@season and \thesis@academicYear. Removed the extraneous indent in the \thesis@blocks@declaration macro definition within the style/mu/fithesis-fi.sty style file. \paragraphs are not included in the table of contents by default. The table class option now supports the tabu environment. The list of tables and the list of figures now have an entry in the table of contents for the style/mu/fithesis-econ.sty style file. [VN]	205
v0.3.19	General: Updated the license. Added the fithesis- prefix to locale files. Proof-read and updated the documentation. Encapsulated the localeInheritance and styleInheritance setters. Added the \thesis@selectLocale{...}, which acts as a replacement for \def\thesis@locale{...}, which also switches hyphenation patterns. The macro definitions inside locale files are now global to account for the fact that it now makes sense to include locale files on-site (and therefore possibly inside a group) using the \thesis@selectLocale. The class files are now generated using the XeTeX engine, which preserves the characters outside ASCII. [VN]	205			
v0.3.20	General: Removed an extraneous \hypersetup option to elimi-				



v0.3.25

General: The example documents  
from the example directory  
are now a part of the CTAN

archive. Additional information  
were inserted into the guide  
and to the example files. [VN] 205