

# 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  $\LaTeX$  kernel. Used for the `\ltx@ifpackageloaded` command, which – unlike its `\@ifpackageloaded` counterpart – can be used outside the preamble.
- `ifxetex` – Used to detect the  $X_{\text{E}}\text{TeX}$  engine.
- `ifluatex` – Used to detect the  $\text{Lua}\text{TeX}$  engine.
- `inputenc` – Used to enable the input UTF-8 encoding. This package does not get loaded under the  $X_{\text{E}}\text{TeX}$  and  $\text{Lua}\text{TeX}$  engines.

The `hyperref` package is also conditionally loaded during the expansion of the `\thesis@load` macro (see Section 2.4). Other packages may be required by the style files (see Section 3.5) 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 3.5

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 3.5.2.2.

## 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.

```
13 \long\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.

`\author` The standard L<sup>A</sup>T<sub>E</sub>X `\author` macro also sets this key.

```

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}}
97 \let\author\thesis@parseAuthor

```

## `\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.

```

98 \thesis@def{id}
99 \define@key{thesis}{id}{%
100   \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>
Seminar paper	sem
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@sempaper`, `\thesis@bachelors`, `\thesis@masters`, `\thesis@doctoral` and `\thesis@rigorous` macros containing the corresponding

```

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

```



*type* values are available as a part of the private API.

```
101 \def\thesis@sempaper{sem}
102 \def\thesis@bachelors{bc}
103 \def\thesis@masters{mgr}
104 \def\thesis@doctoral{d}
105 \def\thesis@rigorous{r}
106 \let\thesis@type\thesis@bachelors
107 \define@key{thesis}{type}{%
108   \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.

```
109 \def\thesis@university{mu}
110 \define@key{thesis}{university}{%
111   \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`.

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

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

The `{\department=name}}` pair sets the name of the department, at which the thesis is being written, to *name*. Unlike the university and faculty identifiers, `fithesis3` does not prescribe the format of the *name*; the style files may internally parse it, or typeset it as-is. The *name* is stored within the `\thesis@department` macro.

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

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

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

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

#### `\thesis@programme` 2.2.14 The programme key

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

```
121 \thesis@def{programme}  
122 \define@key{thesis}{programme}{%  
123   \def\thesis@programme{#1}}
```

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

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

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

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

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

```
127 \thesis@def{field}
```

```

128 \define@key{thesis}{field}{%
129   \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.

```

130 \thesis@def{fieldEn}
131 \define@key{thesis}{fieldEn}{%
132   \def\thesis@fieldEn{#1}}

```

### `\thesis@universityLogo` 2.2.18 The `universityLogo` key

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

```

133 \def\thesis@universityLogo{fithesis-base}
134 \define@key{thesis}{universityLogo}{%
135   \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  $\TeX$  directory structure. The logo file is loaded from the `\thesis@logopath\thesis@facultyLogo` path.

```

136 \def\thesis@facultyLogo{fithesis-\thesis@faculty}
137 \define@key{thesis}{facultyLogo}{%
138   \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 2.4).

```

139 \def\thesis@style{\thesis@university/fithesis-\thesis@faculty}
140 \define@key{thesis}{style}{%
141   \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 3.1) and can be tested using the `\ifthesis@style@inheritance ... \else ... \fi` conditional. Inheritance is enabled for style files by default.

```
142 \newif\ifthesis@style@inheritance\thesis@style@inheritancetrue
143 \define@key{thesis}{styleInheritance}[true]{%
144   \begingroup
145   \def\@true{true}%
146   \def\@arg{#1}%
147   \ifx\@true\@arg
148     \endgroup\thesis@style@inheritancetrue
149   \else
150     \endgroup\thesis@style@inheritancefalse
151   \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 2.4).

```
152 \def\thesis@locale{%
153   % Babel / polyglossia detection
154   \ifx\language\undefined
155     english\else\language\fi}
156 \define@key{thesis}{locale}{%
157   \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.

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

```

168     false%
169   \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 3.1) and can be tested using the `\ifthesis@locale@inheritance ...\else ...\fi` conditional. Inheritance is enabled for locale files by default.

```

170 \newif\ifthesis@locale@inheritance\thesis@locale@inheritancetrue
171 \define@key{thesis}{localeInheritance}[true]{%
172   \begingroup
173   \def\@true{true}%
174   \def\@arg{#1}%
175   \ifx\@true\@arg
176     \endgroup\thesis@locale@inheritancetrue
177   \else
178     \endgroup\thesis@locale@inheritancefalse
179   \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@year</code>	• <code>\thesis@date</code> – The entire <i>date</i>
<code>\thesis@month</code>	• <code>\thesis@month</code> – The MM of <i>date</i>
<code>\thesis@day</code>	• <code>\thesis@year</code> – The YYYY of <i>date</i>
	• <code>\thesis@day</code> – The DD 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 &lt; \text{MM} &lt; 9</math>,</li> <li>– fall if <math>\text{MM} \leq 2</math> or <math>\text{MM} \geq 9</math>.</li> </ul>
<code>\thesis@seasonYear</code>	• <code>\thesis@seasonYear</code> – The year of the given semester: <ul style="list-style-type: none"> <li>– YYYY – 1 if <math>\text{MM} \leq 2</math>.</li> <li>– YYYY if <math>\text{MM} &gt; 2</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.

```

180 \def\thesis@parseDate#1/#2/#3|{{
181   % Set the basic macros
182   \gdef\thesis@date{#1/#2/#3}%
183   \gdef\thesis@year{#1}%
184   \gdef\thesis@month{#2}%
185   \gdef\thesis@day{#3}%
186
187   % Set the season
188   \newcount\@month\expandafter\@month\thesis@month\relax
189   \ifnum\@month>8\gdef\thesis@season{fall}
190   \else\ifnum\@month<3\gdef\thesis@season{fall}
191   \else \gdef\thesis@season{spring}
192   \fi\fi
193
194   % Set the academic year
195   \newcount\@year\expandafter\@year\thesis@year\relax
196   \ifnum\@month>8%
197     \edef\@yearA{\the\@year}%
198     \advance\@year 1\edef\@yearB{\the\@year}%
199     \advance\@year-1
200   \else
201     \advance\@year-1\edef\@yearA{\the\@year}%
202     \advance\@year 1\edef\@yearB{\the\@year}%
203   \fi
204   \global\edef\thesis@academicYear{\@yearA/\@yearB}
205
206   % Set the season year
207   \ifnum\@month>2\else
208     \advance\@year-1
209   \fi
210   \global\edef\thesis@seasonYear{\the\@year}}
211
212 \edef\thesis@date{\the\year/\the\month/\the\day}%
213 \expandafter\thesis@parseDate\thesis@date|
214
215 \define@key{thesis}{date}{{}%
216   \edef\@date{#1}%
217   \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.

```

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

```

```
220 \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. The standard L<sup>A</sup>T<sub>E</sub>X `\title` macro also sets this key.

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

`\maketitle` The standard L<sup>A</sup>T<sub>E</sub>X `\maketitle` macro is defined, but disabled.

```
225 \let\maketitle\relax
```

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

The `{\TeXtitle=title}}` pair sets the T<sub>E</sub>X 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`.

```
226 \def\thesis@TeXtitle{\thesis@title}
227 \define@key{thesis}{TeXtitle}{%
228   \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.

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

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

The `{\TeXtitleEn=title}}` pair sets the English T<sub>E</sub>X 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`.

```
232 \def\thesis@TeXtitleEn{\thesis@titleEn}
233 \define@key{thesis}{TeXtitleEn}{%
234   \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.

```
235 \thesis@def{keywords}  
236 \define@key{thesis}{keywords}{%  
237   \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.

```
238 \def\thesis@TeXkeywords{\thesis@keywords}  
239 \define@key{thesis}{TeXkeywords}{%  
240   \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.

```
241 \thesis@def{keywordsEn}  
242 \define@key{thesis}{keywordsEn}{%  
243   \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.

```
244 \def\thesis@TeXkeywordsEn{\thesis@keywordsEn}  
245 \define@key{thesis}{TeXkeywordsEn}{%  
246   \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.

```
247 \thesis@def{abstract}  
248 \long\def\KV@thesis@abstract#1{%  
249   \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.

```
250 \thesis@def{abstractEn}
251 \long\def\KV@thesis@abstractEn#1{%
252   \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.

```
253 \thesis@def{advisor}
254 \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.

```
255 \long\def\KV@thesis@thanks#1{%
256   \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.

```
257 \define@key{thesis}{assignment}{%
258   \def\thesis@assignmentFiles{#1}}
```

When the `\thesis@assignmentFiles` macro is defined and non-empty, the style files should take that as a cue that the user wishes to typeset the thesis assignment.

`\thesis@bibFiles` **2.2.39 The bib key**

The `{(bib=list)}` pair sets the comma-delimited list of paths to the BIB files containing the bibliography databases to *list*. The *list* is stored within the `\thesis@bibFiles` macro.

```
259 \define@key{thesis}{bib}{%
260   \def\thesis@bibFiles{#1}}
```

When the `\thesis@bibFiles` macro is defined and non-empty, the style files should take that as a cue that the user wishes to typeset the bibliography.

## `\ifthesis@auto` 2.2.40 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.

```
261 \newif\ifthesis@auto\thesis@autotrue
262 \define@key{thesis}{autoLayout}[true]{%
263   \def\@true{true}%
264   \def\@arg{#1}%
265   \ifx\@true\@arg
266     \thesis@autotrue
267   \else
268     \thesis@autofalse
269   \fi}
```

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

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

```
270 \def\thesis@preamble{%
271   {\thesis@selectLocale{\thesis@locale}%
272     \thesis@blocks@preamble\clearpage}
273   \thesis@blocks@mainMatter}
274
275 \def\thesis@postamble{%
276   \thesis@selectLocale{\thesis@locale}%
277   \thesis@blocks@postamble}}
278
279 \let\thesis@blocks@preamble\relax
280 \let\thesis@blocks@postamble\relax
281 \let\thesis@blocks@mainMatter\relax
```

## 2.3 The `\thesislong` macro

`\thesislong`    The public macro `\thesislong{<key>}{<value>}`, can be used as an alternative to the `\thesissetup{<key> = {<value>}}` public macro:

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

This macro is a relict of the time when `\thesissetup` did not accept multi-paragraph input.

## 2.4 The `\thesisload` macro

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

```
284 \newif\ifthesis@loaded\thesis@loadedfalse
285 \BeforeBeginEnvironment{document}{\thesisload}
286 \def\thesis@load{\thesisload}
287 \def\thesisload{%
288   \ifthesis@loaded\else
289     \thesis@loadedtrue
290     \makeatletter
```

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

```
291   \ifx\thesis@locale\empty\else
292     \edef\thesis@locale{\thesis@locale}
293     \thesis@requireLocale{\thesis@locale}
294   \fi
```

Coerce LuaTeX into defining `\l@locale` for *locales* with known hyphenation patterns, unless `babel` has been loaded. In that case `\l@locale` has already been defined.

```
295   \ifluatex
296     \ltx@ifpackageloaded{babel}{}{
297       % See <article.gmane.org/gmane.comp.tex.luatex.user/5680>
298       \RequirePackage[base]{babel}}
299   \fi
```

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

```
300   \ifx\thesis@style\empty\else
301     \thesis@requireStyle{\thesis@style}
302   \fi
```

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

```
303   \ifx\language\empty\else
304     \begingroup
305     \edef\@doclocale{\language}%
306     \ifx\@doclocale\thesis@locale
307       \endgroup
308       \AtBeginDocument{%
309         \thesis@selectLocale{\thesis@locale}}%
310   \else
311     \endgroup
```

```

312     \fi
313 \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 `2016/12/10 v0.3.41a fithesis3 MU thesis class`.

```

314     \thesis@require{hyperref}
315     \hypersetup{
316         unicode=true,
317         pdfencoding=auto,
318         pdftitle=\thesis@title,
319         pdfauthor=\thesis@author,
320         pdfkeywords=\thesis@keywords,
321         pdfcreator=\thesis@version}

```

If `autolayout` is enabled, the `\thesis@preamble` and `\thesis@postamble` macros are scheduled for expansion at the beginning and at the end of the document, respectively. The definition of the `\thesis@pages` macro is also scheduled to be written to the auxiliary file at the end of the document.

```

322     \ifthesis@auto
323         \AtBeginDocument{\thesis@preamble}
324         \AtEndDocument{%
325             \thesis@postamble
326             \write\@auxout{\noexpand\gdef\noexpand\thesis@pages{\thepage}}}
327     \else
328         \AtEndDocument{%
329             \write\@auxout{\noexpand\gdef\noexpand\thesis@pages{\thepage}}}
330     \fi
331     \makeatother
332 \fi}

```

## 3 Private API

### 3.1 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.

```

333 \def\thesis@exists#1#2{%
334     \IfFileExists{#1}{#2}{%
335         \ClassWarning{fithesis3}{File #1 doesn't exist}}

```

<code>\thesis@input</code>	<p>The <code>\thesis@input{&lt;file&gt;}</code> macro inputs the given <i>file</i>, if it exists.</p> <pre> 336 \def\thesis@input#1{% 337   \thesis@exists{#1}{\input{#1}} </pre>
<code>\thesis@require</code>	<p>The <code>\thesis@require[&lt;options&gt;]{&lt;package&gt;}</code> expands to <code>\RequirePackage[&lt;options&gt;]{&lt;package&gt;}</code>, if the specified <i>package</i> has not yet been loaded.</p> <pre> 338 \newcommand\thesis@require[2][{}]{% 339   \ifpackageloaded{#2}{\RequirePackage[#1]{#2}} </pre>
<code>\thesis@requireIfExists</code>	<p>The <code>\thesis@requireIfExists[&lt;options&gt;]{&lt;package&gt;}</code> expands to <code>\thesis@require[&lt;options&gt;]{&lt;package&gt;}</code>, if the specified <i>package</i> exists and has not yet been loaded.</p> <pre> 340 \newcommand\thesis@requireIfExists[2][{}]{% 341   \thesis@exists{#2.sty}{\thesis@require[#1]{#2}} </pre>
<code>\thesis@requireStyle</code>	<p>If inheritance is enabled for style files, then the <code>\thesis@requireStyle{&lt;style&gt;}</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 T<sub>E</sub>X directory structure.</p> <pre> 342 \def\thesis@requireStyle#1{% 343   \ifthesis@style@inheritance 344     \thesis@requireIfExists{\thesis@stylepath fithesis-base}% 345     \thesis@requireIfExists{\thesis@stylepath\thesis@university 346       /fithesis-base} 347   \fi 348   \thesis@requireIfExists{\thesis@stylepath#1} </pre>
<code>\thesis@requireLocale</code>	<p>If inheritance is enabled for style files, then the <code>\thesis@requireLocale{&lt;locale&gt;}</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 T<sub>E</sub>X 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>

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

```

349 \def\thesis@requireLocale#1{%
350   % Ignore redundant requests
351   \expandafter\ifx\csname thesis@#1@required\endcsname\relax
352   \expandafter\def\csname thesis@#1@required\endcsname{%
353     \@ifpackageloaded{polyglossia}{\setotherlanguage{#1}}{}
354     \thesis@input{\thesis@localepath fithesis-#1.def}%
355     \ifthesis@locale@inheritance
356       \thesis@input{\thesis@localepath\thesis@university/%
357         fithesis-#1.def}%
358       \thesis@input{\thesis@localepath\thesis@university/%
359         \thesis@faculty/fithesis-#1.def}%
360     \fi
361   \fi}

```

### 3.2 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.

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

`\thesis@{name}` 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.

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

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

[illegible]

\thesis@lower \thesis@upper	The \thesis@lower and \thesis@upper macros are used for upper- and lowercasing current <i>locale</i> 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.

```
376 \def\thesis@@lower#1{\thesis@lower{\thesis@locale @#1}}
377 \def\thesis@@upper#1{\thesis@upper{\thesis@locale @#1}}
```

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

```
378 \def\thesis@head#1 #2{%
379   \ifx\relax#2%
380     \expandafter\@gobbletwo
381   \else
382     \ #1%
383   \fi
384   \thesis@head#2}%
385 \def\thesis@tail#1 #2{%
386   \ifx\relax#2%
387     #1%
388     \expandafter\@gobbletwo
389   \fi
390   \thesis@tail#2}%
```

### 3.3 General purpose macros

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

```
391 \ifx\thesis@pages\undefined\def\thesis@pages{??}\fi
```

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

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

```
392 \def\thesis@selectLocale#1{%
393   \edef\thesis@locale{#1}%
394   \ltx@ifpackageloaded{csquotes}{%
395     \csq@setstyle{\thesis@@{csquotesStyle}}%
396   }{%
397     \ltx@ifpackageloaded{polyglossia}{%
398       \selectlanguage{\thesis@locale}
399     }{%
400       \language\csname l@\thesis@locale\endcsname
401     }%
402   }
```

`\thesis@patch`    The `\thesis@patch[<versions>][<patch>]` macro expands *patch*, if `\thesis@version@number` (defined at the top of the file `fithesis3.cls`) matches any of the comma-

delimited *versions*. This macro enables the simple deployment of version-targeted patches.

```

402 \def\thesis@patch#1#2{%
403   \def\thesis@patch@versions{#1}%
404   \def\thesis@patch@action{#2}%
405   \def\thesis@patch@next##1,{%
406     \def\thesis@patch@arg{##1}%
407     \def\thesis@patch@relax{\relax}%
408     \ifx\thesis@patch@arg\thesis@version@number
409       \def\thesis@patch@next###1\relax,{}%
410       \expandafter\thesis@patch@action
411       \expandafter\thesis@patch@next
412     \else\ifx\thesis@patch@arg\thesis@patch@relax\else
413       \expandafter\expandafter\expandafter\thesis@patch@next
414     \fi\fi}%
415   \expandafter\expandafter\expandafter\thesis@patch@next
416   \expandafter\thesis@patch@versions\expandafter,\relax,}

```

### 3.4 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 2.4).

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 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.

#### 3.4.1 Interface

The union of locale files loaded via the locale file inheritance scheme (see the definition of the `\thesis@requireLocale` macro in Section 3.1) needs to globally define the following macros:

- `\thesis@locale@csquotesStyle` – The name of the style of the csquotes package that matches this locale
- `\thesis@locale@universityName` – The name of the university
- `\thesis@locale@facultyName` – The name of the faculty
- `\thesis@locale@assignment` – The instructions to replace the current page with the official thesis assignment
- `\thesis@locale@declaration` – The thesis declaration text



- `\thesis@locale@fieldTitle` – The title of the field of study entry
- `\thesis@locale@advisorTitle` – The title of the advisor entry
- `\thesis@locale@authorTitle` – The title of the author entry
- `\thesis@locale@abstractTitle` – The title of the abstract section
- `\thesis@locale@keywordsTitle` – The title of the keywords section
- `\thesis@locale@thanksTitle` – The title of the acknowledgement section
- `\thesis@locale@declarationTitle` – The title of the declaration section
- `\thesis@locale@idTitle` – The title of the thesis author’s identifier field
- `\thesis@locale@spring` – The name of the spring semester
- `\thesis@locale@fall` – The name of the fall semester
- `\thesis@locale@semester` – The full name of the current semester
- `\thesis@locale@typeName` – The name of the thesis type

where *locale* is the name of the locale.

### 3.4.2 English locale files

#### 3.4.2.1 The `locale/fithesis-english.def` file

This is the base file of the English locale.

417 \ProvidesFile{fithesis/locale/fithesis-english.def}[2016/05/25]

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

```

418
419 % Placeholders
420 \gdef\thesis@english@universityName{University name}
421 \gdef\thesis@english@facultyName{Faculty name}
422 \gdef\thesis@english@assignment{%
423   \ifthesis@digital@
424     This is where a copy of the official signed thesis assignment
425     is located in the printed version of the document.
426   \else
427     Replace this page with a copy of the official signed thesis
428     assignment.
429   \fi}
430 \gdef\thesis@english@declaration{Declaration text ...}
431
432 % Csquotes style
433 \gdef\thesis@english@csquotesStyle{english}
434
435 % Time strings
436 \gdef\thesis@english@spring{Spring}

```

```

437 \gdef\thesis@english@fall{Fall}
438 \gdef\thesis@english@semester{%
439   \thesis@{english@\thesis@season} \thesis@seasonYear}
440
441 % Miscellaneous
442 \gdef\thesis@english@fieldTitle{Field of study}
443 \gdef\thesis@english@advisorTitle{Advisor}
444 \gdef\thesis@english@authorTitle{Author}
445 \gdef\thesis@english@abstractTitle{Abstract}
446 \gdef\thesis@english@keywordsTitle{Keywords}
447 \gdef\thesis@english@thanksTitle{Acknowledgement}
448 \gdef\thesis@english@declarationTitle{Declaration}
449 \gdef\thesis@english@idTitle{ID}
450 \gdef\thesis@english@typeName{%
451   \ifx\thesis@type\thesis@sempaper
452     Seminar Paper%
453   \else\ifx\thesis@type\thesis@bachelors
454     Bachelor's Thesis%
455   \else\ifx\thesis@type\thesis@masters
456     Master's Thesis%
457   \else\ifx\thesis@type\thesis@doctoral
458     Doctoral Thesis%
459   \else\ifx\thesis@type\thesis@rigorous
460     Rigorous Thesis%
461   \else
462     <<Unknown thesis type (\thesis@type)>>%
463   \fi\fi\fi\fi\fi}

```

### 3.4.2.2 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.

```

464 \ProvidesFile{fithesis/locale/mu/fithesis-english.def}[2016/03/22]
465 \gdef\thesis@english@universityName{Masaryk University}
466 \gdef\thesis@english@declaration{%
467   Hereby I declare that this paper is my original authorial work,
468   which I have worked out on my own. All sources, references, and
469   literature used or excerpted during elaboration of this work are
470   properly cited and listed in complete reference to the due source.}
471
472 % Bibliographic entry
473 \gdef\thesis@english@bib@title{Bibliographic record}
474 \gdef\thesis@english@bib@pages{p}
475
476 % Miscellaneous
477 \gdef\thesis@english@idTitle{UČO}

```

### 3.4.2.3 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.

```
478 \ProvidesFile{fithesis/locale/mu/law/fithesis-english.def}[2015/06/26]
479 \gdef\thesis@english@facultyName{Faculty of Law}
480 \gdef\thesis@english@facultyLongName{The Faculty of Law of the
481 Masaryk University}
```

### 3.4.2.4 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.

```
482 \ProvidesFile{fithesis/locale/mu/fsps/fithesis-english.def}[2015/06/26]
483
484 % Placeholders
485 \gdef\thesis@english@facultyName{Faculty of Sports Studies}
486
487 % Miscellaneous
488 \gdef\thesis@english@fieldTitle{Specialization}
```

### 3.4.2.5 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.

```
489 \ProvidesFile{fithesis/locale/mu/fss/fithesis-english.def}[2016/05/25]
490
491 % Placeholders
492 \gdef\thesis@english@facultyName{Faculty of Social Studies}
493 \gdef\thesis@english@assignment{%
494   \ifthesis@digital@
495     This is where a copy of the official signed thesis assignment
496     or a copy of the Statement of an Author or both are located
497     in the printed version of the document.
498   \else
499     Replace this page with a copy of the official signed thesis
500     assignment or a copy of the Statement of an Author or both,
501     depending on the requirements of the respective department.
502   \fi}
```

### 3.4.2.6 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.

```

503 \ProvidesFile{fithesis/locale/mu/econ/fithesis-english.def}[2015/06/26]
504 \gdef\thesis@english@facultyName{Faculty of Economics
505   and Administration}

```

#### 3.4.2.7 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.

```

506 \ProvidesFile{fithesis/locale/mu/med/fithesis-english.def}[2016/03/23]
507
508 % Miscellaneous
509 \gdef\thesis@english@abstractTitle{Annotation}
510
511 % Placeholders
512 \gdef\thesis@english@facultyName{Faculty of Medicine}

```

#### 3.4.2.8 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.

```

513 \ProvidesFile{fithesis/locale/mu/fi/fithesis-english.def}[2016/05/25]
514
515 % Placeholders
516 \gdef\thesis@english@facultyName{Faculty of Informatics}
517 \gdef\thesis@english@assignment{Replace this page with a copy
518   of the official signed thesis assignment and a copy of the
519   Statement of an Author.}
520 \gdef\thesis@english@assignment{%
521   \ifthesis@digital@
522     This is where a copy of the official signed thesis assignment
523     and a copy of the Statement of an Author is located in the
524     printed version of the document.
525   \else
526     Replace this page with a copy of the official signed thesis
527     assignment and a copy of the Statement of an Author.
528   \fi}
529
530 % Others
531 \gdef\thesis@english@advisorSignature{Signature of Thesis
532   \thesis@english@advisorTitle}

```

### 3.4.2.9 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. It also defines the `departmentName` string, which is used by the `style/mu/fithesis-phil.sty` style file, when typesetting the names of known departments.

```
533 \ProvidesFile{fithesis/locale/mu/phil/fithesis-english.def}[2016/03/22]
534 \gdef\thesis@english@facultyName{Faculty of Arts}
535 \gdef\thesis@english@departmentName{%
536   \ifx\thesis@department\thesis@departments@kisk
537     Division of Information and Library Studies%
538   \else
539     <<Unknown department (\thesis@department)>>%
540   \fi}
```

### 3.4.2.10 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.

```
541 \ProvidesFile{fithesis/locale/mu/ped/fithesis-english.def}[2016/03/22]
542
543 % Placeholders
544 \gdef\thesis@english@facultyName{Faculty of Education}
```

### 3.4.2.11 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.

```
545 \ProvidesFile{fithesis/locale/mu/sci/fithesis-english.def}[2016/03/23]
546
547 % Placeholders
548 \gdef\thesis@english@facultyName{Faculty of Science}
549
550 % Miscellaneous
551 \global\let\thesis@english@advisorTitleEn=\thesis@english@bib@advisor
552
553 % Bibliographic entry
554 \global\let\thesis@english@bib@author\thesis@english@authorTitle
555 \gdef\thesis@english@bib@thesisTitle{Title of Thesis}
556 \gdef\thesis@english@bib@programme{Degree Programme}
557 \global\let\thesis@english@bib@field\thesis@english@fieldTitle
558 \gdef\thesis@english@bib@advisor{Supervisor}
```

```

559 \gdef\thesis@english@bib@academicYear{Academic Year}
560 \gdef\thesis@english@bib@pages{Number of Pages}
561 \global\let\thesis@english@bib@keywords\thesis@english@keywordsTitle

```

### 3.4.3 Czech locale files

#### 3.4.3.1 The locale/fithesis-czech.def file

This is the base file of the Czech locale.

```
562 \ProvidesFile{fithesis/locale/fithesis-czech.def}[2016/05/25]
```

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

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

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

```

563
564 % Pomocná makra
565 \gdef\thesis@czech@gender@koncovka{%
566   \ifthesis@woman a\fi}
567
568 % Csquotes styl
569 \gdef\thesis@czech@csquotesStyle{german}
570
571 % Zástupné texty
572 \gdef\thesis@czech@universityName{Název univerzity}
573 \gdef\thesis@czech@facultyName{Název fakulty}
574 \gdef\thesis@czech@assignment{%
575   \ifthesis@digital@
576     Na tomto místě se v\~{t}ištěné práci nachází oficiální podepsané
577     zadání práce.
578   \else
579     Místo tohoto listu vložte kopii oficiálního podepsaného zadání
580     práce.
581   \fi}
582 \gdef\thesis@czech@declaration{Text prohlášení ...}
583
584 % Časové údaje
585 \gdef\thesis@czech@spring{jaro}
586 \gdef\thesis@czech@fall{podzim}
587 \gdef\thesis@czech@semester{%
588   \thesis@{czech@\thesis@season} \thesis@seasonYear}
589
590 % Různé
591 \gdef\thesis@czech@fieldTitle{Obor}
592 \gdef\thesis@czech@advisorTitle{Vedoucí práce}
593 \gdef\thesis@czech@authorTitle{Autor}

```

```

594 \gdef\thesis@czech@abstractTitle{Shrnutí}
595 \gdef\thesis@czech@keywordsTitle{Klíčová slova}
596 \gdef\thesis@czech@thanksTitle{Poděkování}
597 \gdef\thesis@czech@declarationTitle{Prohlášení}
598 \gdef\thesis@czech@idTitle{ID}
599 \gdef\thesis@czech@typeName{%
600   \ifx\thesis@type\thesis@sempaper
601     Seminární práce%
602   \else\ifx\thesis@type\thesis@bachelors
603     Bakalářská práce%
604   \else\ifx\thesis@type\thesis@masters
605     Diplomová práce%
606   \else\ifx\thesis@type\thesis@doctoral
607     Disertační práce%
608   \else\ifx\thesis@type\thesis@rigorous
609     Rigorózní práce%
610   \else
611     <<Neznámý typ práce (\thesis@type)>>%
612   \fi\fi\fi\fi\fi}
613 \gdef\thesis@czech@typeName@akuzativ{%
614   \ifx\thesis@type\thesis@sempaper
615     Seminární práci%
616   \else\ifx\thesis@type\thesis@bachelors
617     Bakalářskou práci%
618   \else\ifx\thesis@type\thesis@masters
619     Diplomovou práci%
620   \else\ifx\thesis@type\thesis@doctoral
621     Disertační práci%
622   \else\ifx\thesis@type\thesis@rigorous
623     Rigorózní práci%
624   \else
625     <<Neznámý typ práce (\thesis@type)>>%
626   \fi\fi\fi\fi\fi}

```

### 3.4.3.2 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.

```

627 \ProvidesFile{fithesis/locale/mu/fithesis-czech.def}[2016/03/22]
628
629 % Zástupné texty
630 \gdef\thesis@czech@universityName{Masarykova univerzita}
631 \gdef\thesis@czech@declaration{Prohlašuji, že jsem
632   \thesis@lower{czech@typeName@akuzativ} zpracoval%
633   \thesis@czech@gender@koncovka\ samostatně a
634   použil\thesis@czech@gender@koncovka\ jen prameny
635   uvedené~v seznamu literatury.}
636
637 % Bibliografický záznam

```

```

638 \gdef\thesis@czech@bib@title{Bibliografický záznam}
639 \gdef\thesis@czech@bib@pages{str}
640
641 % Různé
642 \gdef\thesis@czech@idTitle{UČO}

```

#### 3.4.3.3 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.

```

643 \ProvidesFile{fithesis/locale/mu/law/fithesis-czech.def}[2015/06/26]
644
645 % Různé
646 \gdef\thesis@czech@abstractTitle{Abstrakt}
647
648 % Zástupné texty
649 \gdef\thesis@czech@facultyName{Právnická fakulta}
650 \gdef\thesis@czech@facultyLongName{Právnická fakulta Masarykovy
651 univerzity}

```

#### 3.4.3.4 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.

```

652 \ProvidesFile{fithesis/locale/mu/fsps/fithesis-czech.def}[2015/06/26]
653
654 % Zástupné texty
655 \gdef\thesis@czech@facultyName{Fakulta sportovních studií}
656
657 % Různé
658 \gdef\thesis@czech@fieldTitle{Specializace}

```

#### 3.4.3.5 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.

```

659 \ProvidesFile{fithesis/locale/mu/fss/fithesis-czech.def}[2016/05/25]
660
661 % Zástupné texty
662 \gdef\thesis@czech@facultyName{Fakulta sociálních studií}
663 \gdef\thesis@czech@assignment{%
664 \ifthesis@digital@
665 Na tomto místě se vtištěné práci nachází oficiální podepsané

```



```

666     zadání práce, prohlášení autora školního díla nebo obojí.
667 \else
668     Místo tohoto listu vložte kopie oficiálního podepsaného zadání
669     práce nebo prohlášení autora školního díla nebo obojí~v
670     závislosti na požadavcích příslušné katedry.
671 \fi}
672

```

### 3.4.3.6 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.

```

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

```

### 3.4.3.7 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.

```

675 \ProvidesFile{fithesis/locale/mu/med/fithesis-czech.def}[2016/03/23]
676
677 % Různé
678 \gdef\thesis@czecch@abstractTitle{Anotace}
679
680 % Zástupné texty
681 \gdef\thesis@czecch@facultyName{Lékařská fakulta}

```

### 3.4.3.8 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.

```

682 \ProvidesFile{fithesis/locale/mu/fi/fithesis-czech.def}[2016/05/25]
683
684 % Zástupné texty
685 \gdef\thesis@czecch@facultyName{Fakulta informatiky}
686 \gdef\thesis@czecch@assignment{%
687     \ifthesis@digital@
688     Na tomto místě se v~tištěné práci nachází oficiální podepsané
689     zadání práce a prohlášení autora školního díla.
690 \else

```

```

691 Místo tohoto listu vložte kopie oficiálního podepsaného zadání
692 práce a prohlášení autora školního díla.
693 \fi}
694 \gdef\thesis@czech@declaration{%
695 Prohlašuji, že tato \thesis@lower{czech@typeName} je mým
696 původním autorským dílem, které jsem vypracoval%
697 \thesis@czech@gender@koncovka\ samostatně. Všechny zdroje,
698 prameny a literaturu, které jsem při vypracování
699 používal\thesis@czech@gender@koncovka\ nebo z~nich
700 čerpal\thesis@czech@gender@koncovka, v~práci řádně cituji
701 s~uvedením úplného odkazu na příslušný zdroj.}
702
703 % Ostatní
704 \gdef\thesis@czech@advisorSignature{Podpis vedoucího}

```

### 3.4.3.9 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 re-defines the `declaration`, `typeName` and `typeName@akuzativ` strings in accordance with the requirements of the faculty.

The locale file also defines the `departmentName` string, which is used by the `style/mu/fithesis-phil.sty` style file, when typesetting the names of known departments.

```

705 \ProvidesFile{fithesis/locale/mu/phil/fithesis-czech.def}[2016/03/22]
706
707 % Zástupné texty
708 \gdef\thesis@czech@facultyName{Filozofická fakulta}
709 \gdef\thesis@czech@departmentName{%
710 \ifx\thesis@department\thesis@departments@kisk
711 Kabinet informačních studií a knihovnictví%
712 \else
713 <<Neznámé oddělení (\thesis@department)>>%
714 \fi}
715 \gdef\thesis@czech@declaration{%
716 \ifx\thesis@department\thesis@departments@kisk
717 Prohlašuji, že jsem předkládanou práci zpracoval%
718 \thesis@czech@gender@koncovka\ samostatně~a použil%
719 \thesis@czech@gender@koncovka\ jen uvedené prameny~a
720 literaturu. Současně dávám svolení k tomu, aby elektronická
721 verze této práce byla zpřístupněna přes informační systém
722 Masarykovy univerzity.%
723 \else
724 Prohlašuji, že jsem \thesis@lower{czech@typeName@akuzativ}
725 vypracoval\thesis@czech@gender@koncovka\ samostatně~s využitím
726 uvedené literatury.%
727 \fi}
728
729 % Ostatní

```

```

730 \global\let\thesis@czech@typeName@super
731 \thesis@czech@typeName
732 \gdef\thesis@czech@typeName{%
733 \ifx\thesis@type\thesis@bachelors
734   Bakalářská diplomová práce%
735 \else\ifx\thesis@type\thesis@masters
736   Magisterská diplomová práce%
737 \else
738   \thesis@czech@typeName@super
739 \fi\fi}
740
741 \global\let\thesis@czech@typeName@akuzativ@super
742 \thesis@czech@typeName@akuzativ
743 \gdef\thesis@czech@typeName@akuzativ{%
744 \ifx\thesis@type\thesis@bachelors
745   Diplomovou práci%
746 \else\ifx\thesis@type\thesis@masters
747   Diplomovou práci%
748 \else
749   \thesis@czech@typeName@akuzativ@super
750 \fi\fi}

```

#### 3.4.3.10 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.

```

751 \ProvidesFile{fithesis/locale/mu/ped/fithesis-czech.def}[2016/03/22]
752
753 % Zástupné texty
754 \gdef\thesis@czech@facultyName{Pedagogická fakulta}

```

#### 3.4.3.11 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.

```

755 \ProvidesFile{fithesis/locale/mu/sci/fithesis-czech.def}[2016/03/23]
756
757 % Zástupné texty
758 \gdef\thesis@czech@facultyName{Přírodovědecká fakulta}
759
760 % Ostatní
761 \gdef\thesis@czech@abstractTitle{Abstrakt}

```

```

762 \gdef\thesis@czech@declaration{%
763   Prohlašuji, že jsem svoji \thesis@lower{czech@typeName@%
764   akuzativ} vypracoval\thesis@czech@gender@koncovka\ samo%
765   statně s~využitím informačních zdrojů, které jsou v~práci
766   citovány.}
767 \gdef\thesis@czech@authorSignature{Podpis autora}
768
769 % Časové údaje
770 \gdef\thesis@czech@formattedDate{%
771   \thesis@day.
772   \newcount\@month\expandafter\@month\thesis@month\relax
773   \ifnum\@month=1%
774     ledna
775   \else\ifnum\@month=2%
776     února
777   \else\ifnum\@month=3%
778     března
779   \else\ifnum\@month=4%
780     dubna
781   \else\ifnum\@month=5%
782     května
783   \else\ifnum\@month=6%
784     června
785   \else\ifnum\@month=7%
786     července
787   \else\ifnum\@month=8%
788     srpna
789   \else\ifnum\@month=9%
790     září
791   \else\ifnum\@month=10%
792     října
793   \else\ifnum\@month=11%
794     listopadu
795   \else\ifnum\@month=12%
796     prosince
797   \else
798     <<neznámý měsíc (\the\@month)>>
799   \fi\fi\fi\fi\fi\fi
800   \fi\fi\fi\fi\fi\fi
801   \thesis@year}}
802
803 % Bibliografický záznam
804 \global\let\thesis@czech@bib@author\thesis@czech@authorTitle
805 \gdef\thesis@czech@bib@thesisTitle{Název práce}
806 \gdef\thesis@czech@bib@programme{Studijní program}
807 \global\let\thesis@czech@bib@field\thesis@czech@fieldTitle
808 \global\let\thesis@czech@bib@advisor\thesis@czech@advisorTitle
809 \gdef\thesis@czech@bib@academicYear{Akademický rok}
810 \gdef\thesis@czech@bib@pages{Počet stran}
811 \global\let\thesis@czech@bib@keywords\thesis@czech@keywordsTitle

```

### 3.4.4 Slovak locale files

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

This is the base file of the Slovak locale.

```
812 \ProvidesFile{fithesis/locale/fithesis-slovak.def}[2016/05/25]
```

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

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

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

```
813
814 % Pomocná makrá
815 \gdef\thesis@slovak@gender@koncovka{%
816   \ifthesis@woman a\fi}
817
818 % Csquotes štýl
819 \gdef\thesis@slovak@csquotesStyle{german}
820
821 % Zástupné texty
822 \gdef\thesis@slovak@universityName{Názov univerzity}
823 \gdef\thesis@slovak@facultyName{Názov fakulty}
824 \gdef\thesis@slovak@assignment{%
825   \ifthesis@digital@
826     Na tomto mieste sa v-tlačenej práci nachádza oficiálne
827     podpísané zadanie práce.
828   \else
829     Namiesto tejto stránky vložte kópiu oficiálneho podpísaného
830     zadania práce.
831   \fi}
832 \gdef\thesis@slovak@declaration{Text prehlásenie ...}
833
834 % Časové údaje
835 \gdef\thesis@slovak@spring{jar}
836 \gdef\thesis@slovak@fall{jeseň}
837 \gdef\thesis@slovak@semester{%
838   \thesis@{slovak@\thesis@season} \thesis@seasonYear}
839
840 % Rôzne
841 \gdef\thesis@slovak@fieldTitle{Odbor}
842 \gdef\thesis@slovak@advisorTitle{Vedúci práce}
843 \gdef\thesis@slovak@authorTitle{Autor}
844 \gdef\thesis@slovak@abstractTitle{Zhrnutie}
845 \gdef\thesis@slovak@keywordsTitle{Kľúčové slová}
846 \gdef\thesis@slovak@thanksTitle{Poďakovanie}
847 \gdef\thesis@slovak@declarationTitle{Prehlásenie}
```

```

848 \gdef\thesis@slovak@idTitle{ID}
849 \gdef\thesis@slovak@typeName{%
850   \ifx\thesis@type\thesis@sempaper
851     Seminárna práca%
852   \else\ifx\thesis@type\thesis@bachelors
853     Bakalárska práca%
854   \else\ifx\thesis@type\thesis@masters
855     Diplomová práca%
856   \else\ifx\thesis@type\thesis@doctoral
857     Dizertačná práca%
858   \else\ifx\thesis@type\thesis@rigorous
859     Rigorózna práca%
860   \else
861     <<Neznámy typ práce (\thesis@type)>>%
862   \fi\fi\fi\fi}
863 \gdef\thesis@slovak@typeName@akuzativ{%
864   \ifx\thesis@type\thesis@sempaper
865     Seminárnu prácu%
866   \else\ifx\thesis@type\thesis@bachelors
867     Bakalársku prácu%
868   \else\ifx\thesis@type\thesis@masters
869     Diplomovú prácu%
870   \else\ifx\thesis@type\thesis@doctoral
871     Dizertačnú prácu%
872   \else\ifx\thesis@type\thesis@rigorous
873     Rigoróznú prácu%
874   \else
875     <<Neznámy typ práce (\thesis@type)>>%
876   \fi\fi\fi\fi}

```

#### 3.4.4.2 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.

```

877 \ProvidesFile{fithesis/locale/mu/fithesis-slovak.def}[2016/03/22]
878
879 % Zástupné texty
880 \gdef\thesis@slovak@universityName{Masarykova univerzita}
881 \gdef\thesis@slovak@declaration{%
882   Prehlasujem, že som predloženú \thesis@lower{%
883     slovak@typeName@akuzativ} vypracoval%
884   \thesis@slovak@gender@koncovka\ samostatne len s~použitím
885   uvedenej literatúry a prameňov.}
886
887 % Bibliografický zoznam
888 \gdef\thesis@slovak@bib@title{Bibliografický záznam}
889 \gdef\thesis@slovak@bib@pages{str}
890
891 % Rôzne

```

```
892 \gdef\thesis@slovak@idTitle{UČO}
```

#### 3.4.4.3 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.

```
893 \ProvidesFile{fithesis/locale/mu/law/fithesis-slovak.def}[2015/06/26]
894
895 % Rôzne
896 \gdef\thesis@slovak@abstractTitle{Abstrakt}
897
898 % Zástupné texty
899 \gdef\thesis@slovak@facultyName{Právnická fakulta}
900 \gdef\thesis@slovak@facultyLongName{Právnická fakulta Masarykovej
901 univerzity}
```

#### 3.4.4.4 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.

```
902 \ProvidesFile{fithesis/locale/mu/fsps/fithesis-slovak.def}[2015/06/26]
903
904 % Zástupné texty
905 \gdef\thesis@slovak@facultyName{Fakulta športových štúdií}
906
907 % Rôzne
908 \gdef\thesis@slovak@fieldTitle{Špecializácie}
```

#### 3.4.4.5 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.

```
909 \ProvidesFile{fithesis/locale/mu/fss/fithesis-slovak.def}[2016/05/25]
910
911 % Zástupné texty
912 \gdef\thesis@slovak@facultyName{Fakulta sociálnych štúdií}
913 \gdef\thesis@slovak@assignment{%
914   \ifthesis@digital@
915     Na tomto mieste sa v tlačenej práci nachádza oficiálne
916     podpísané zadanie práce alebo prehlásenie autora školského
917     diela alebo obidve.
918   \else
919     Namiesto tejto stránky vložte kópiu oficiálneho podpísaného
```

```

920   zadania práce alebo prehlásenie autora školského diela alebo
921   obidve~v závislosti na požiadavkách príslušnej katedry.
922   \fi}

```

#### 3.4.4.6 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.

```

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

```

#### 3.4.4.7 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.

```

925 \ProvidesFile{fithesis/locale/mu/med/fithesis-slovak.def}[2016/03/23]
926
927 % Rôzne
928 \gdef\thesis@slovak@abstractTitle{Anotácie}
929
930 % Zástupné texty
931 \gdef\thesis@slovak@facultyName{Lekárska fakulta}

```

#### 3.4.4.8 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.

```

932 \ProvidesFile{fithesis/locale/mu/fi/fithesis-slovak.def}[2016/05/25]
933
934 % Zástupné texty
935 \gdef\thesis@slovak@facultyName{Fakulta informatiky}
936 \gdef\thesis@slovak@assignment{%
937   \ifthesis@digital@
938     Na tomto mieste sa v~tlačenej práci nachádza oficiálne
939     podpísané zadanie práce a prehlásenie autora školského diela.
940   \else
941     Namiesto tejto stránky vložte kópiu oficiálneho podpísaného
942     zadania práce a prehlásenie autora školského diela.
943   \fi}
944 \gdef\thesis@slovak@declaration{%

```



```

945 Prehlasujem, že táto \thesis@lower{slovak@typeName} je mojím
946 pôvodným autorským dielom, ktoré som vypracoval%
947 \thesis@slovak@gender@koncovka\ samostatne. Všetky zdroje,
948 pramene a literatúru, ktoré som pri vypracovaní
949 používal\thesis@slovak@gender@koncovka\ alebo z~nich
950 čerpal\thesis@slovak@gender@koncovka, v~práci riadne citujem
951 s~uvedením úplného odkazu na príslušný zdroj.}
952
953 % Rôzne
954 \gdef\thesis@slovak@advisorSignature{Podpis vedúceho}

```

#### 3.4.4.9 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.

The locale file also defines the `departmentName` string, which is used by the `style/mu/fithesis-phil.sty` style file, when typesetting the names of known departments.

```

955 \ProvidesFile{fithesis/locale/mu/phil/fithesis-slovak.def}[2016/03/22]
956
957 % Zástupné texty
958 \gdef\thesis@slovak@facultyName{Filozofická fakulta}
959 \gdef\thesis@slovak@departmentName{%
960   \ifx\thesis@department\thesis@departments@kisk
961     Kabinet informačných štúdií a knihovníctva%
962   \else
963     <<Neznáme oddelenie (\thesis@department)>>%
964   \fi}
965 \gdef\thesis@czech@declaration{%
966   \ifx\thesis@department\thesis@departments@kisk
967     Prehlasujem, že som predkladanú prácu spracoval%
968     \thesis@slovak@gender@koncovka\ samostatne~a použil%
969     \thesis@slovak@gender@koncovka\ len uvedené pramene~a
970     literatúru. Súčasne dávam súhlas k tomu, aby elektronická
971     verzia tejto práce bola sprístupnená cez informačný
972     systém Masarykovej univerzity.%
973   \else
974     Prehlasujem, že som predloženú \thesis@lower{%
975       slovak@typeName@akuzativ} vypracoval%
976     \thesis@slovak@gender@koncovka\ samostatne na základe vlastných
977     zistení a len s~použitím uvedenej literatúry a prameňov.%
978   \fi}
979
980 % Rôzne
981 \global\let\thesis@slovak@typeName@super
982   \thesis@slovak@typeName
983 \gdef\thesis@slovak@typeName{%

```

```

984 \ifx\thesis@type\thesis@bachelors
985   Bakalárska diplomová práca%
986 \else\ifx\thesis@type\thesis@masters
987   Magisterská diplomová práca%
988 \else
989   \thesis@slovak@typeName@super
990 \fi\fi}
991
992 \global\let\thesis@slovak@typeName@akuzativ@super
993   \thesis@slovak@typeName@akuzativ
994 \gdef\thesis@slovak@typeName@akuzativ{%
995   \ifx\thesis@type\thesis@bachelors
996     Diplomovú prácu%
997   \else\ifx\thesis@type\thesis@masters
998     Diplomovú prácu%
999   \else
1000     \thesis@slovak@typeName@akuzativ@super
1001   \fi\fi}

```

#### 3.4.4.10 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.

```

1002 \ProvidesFile{fithesis/locale/mu/ped/fithesis-slovak.def}[2016/03/22]
1003
1004 % Zástupné texty
1005 \gdef\thesis@slovak@facultyName{Pedagogická fakulta}

```

#### 3.4.4.11 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.

```

1006 \ProvidesFile{fithesis/locale/mu/sci/fithesis-slovak.def}[2015/06/26]
1007
1008 % Zástupné texty
1009 \gdef\thesis@slovak@facultyName{Prírodovedecká fakulta}

```

### 3.5 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 2.4).

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.

### 3.5.1 Interface

The union of style files loaded via the style file inheritance scheme (see the definition of the `\thesis@requireStyle` macro in Section 3.1) should globally define at least one of the following macros:

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

### 3.5.2 Base style files

#### 3.5.2.1 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.

```
1010 \NeedsTeXFormat{LaTeX2e}
1011 \ProvidesPackage{fithesis/style/fithesis-base}[2015/06/23]
```

#### 3.5.2.2 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.

```
1012 \ProvidesPackage{fithesis/style/mu/fithesis-base}[2016/06/06]
1013 \NeedsTeXFormat{LaTeX2e}
```

The file recognizes the following options:

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

```
1014 \DeclareOption{10pt}{\def\thesis@ptsize{0}}
1015 \DeclareOption{11pt}{\def\thesis@ptsize{1}}
1016 \DeclareOption{12pt}{\def\thesis@ptsize{2}}
```

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

`\ifthesis@twoside@`

```
1017 \newif\ifthesis@twoside@
```

```

1018 \DeclareOption{oneside}{%
1019 \thesis@twoside@false\@twosidefalse\@mparswitchfalse}
1020 \DeclareOption{twoside}{%
1021 \thesis@twoside@true \@twosidettrue \@mparswitchtrue}

```

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

```

1022 \DeclareOption{onecolumn}{\@twocolumnfalse}
1023 \DeclareOption{twocolumn}{\@twocolumntrue}

```

- `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.

```

1024 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
1025 \DeclareOption{final}{\setlength\overfullrule{0pt}}

```

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

`\ifthesis@palatino@`

```

1026 \newif\ifthesis@palatino@
1027 \DeclareOption{palatino}{\thesis@palatino@true}
1028 \DeclareOption{nopalatino}{\thesis@palatino@false}

```

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

`\ifthesis@color@`

```

1029 \newif\ifthesis@color@
1030 \DeclareOption{monochrome}{\thesis@color@false}
1031 \DeclareOption{color}{\thesis@color@true}

```

- `microtype`, `nomicrotype` – The microtypographic extension of modern  $\TeX$  engines – such as pdf $\TeX$ , X $\TeX$ , or Lua $\TeX$  – is or isn't going to be enabled, respectively. The `\ifthesis@microtype@` conditional is set to either true or false, respectively.

`\ifthesis@microtype@`

```

1032 \newif\ifthesis@microtype@
1033 \DeclareOption{microtype}{\thesis@microtype@true}
1034 \DeclareOption{nomicrotype}{\thesis@microtype@false}

```

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

`\ifthesis@newtable@`

```

1035 \newif\ifthesis@newtable@
1036 \DeclareOption{table}{\thesis@newtable@true}
1037 \DeclareOption{oldtable}{\thesis@newtable@false}

```

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

\thesis@blocks@lot	<ul style="list-style-type: none"> <li>lot, nolot – The \thesis@blocks@lot macro will be defined as either \listoftables or \relax, respectively. As a side effect, the \listoftables either is or isn't going to be included in the \thesis@blocks@tables block, respectively.</li> </ul>
\thesis@blocks@tables	<pre>1038 \DeclareOption{nolot}{\let\thesis@blocks@lot\relax} 1039 \DeclareOption{lot}{\let\thesis@blocks@lot\listoftables}</pre>
\thesis@blocks@lof	<ul style="list-style-type: none"> <li>lot, nolot – The \thesis@blocks@lof macro will be defined as either \listoffigures or \relax, respectively. As a side effect, the \listoffigures either is or isn't going to be included in the \thesis@blocks@tables block, respectively.</li> </ul>
\thesis@blocks@tables	<pre>1040 \DeclareOption{nolof}{\let\thesis@blocks@lof\relax} 1041 \DeclareOption{lof}{\let\thesis@blocks@lof\listoffigures}</pre>
\thesis@blocks@cover	<ul style="list-style-type: none"> <li>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.</li> </ul>
\ifthesis@cover@	<pre>1042 \newif\ifthesis@cover@ 1043 \DeclareOption{nocover}{\thesis@cover@false} 1044 \DeclareOption{cover}{\thesis@cover@true}</pre>
\ifthesis@digital@	<ul style="list-style-type: none"> <li>digital, printed – These macrooptions set the options that are appropriate for either the printed or for the digital version of the document, respectively. The \ifthesis@digital@ conditional is set to true or false, respectively.</li> </ul> <pre>1045 \newif\ifthesis@digital@ 1046 \DeclareOption{digital}{% 1047   \ExecuteOptions{color,cover}% 1048   \thesis@digital@true} 1049 \DeclareOption{printed}{% 1050   \ExecuteOptions{monochrome,nocover}% 1051   \thesis@digital@false}</pre>

These are the default options:

```
1052 \ExecuteOptions{%
1053   printed,12pt,twoside,final,microtype,palatino,oldtable,lot,lof}
1054 \ProcessOptions*
```

The file uses English locale strings within the macros.

```
1055 \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.

```
1056 \thesis@require{xcolor}
1057 \thesis@require{graphicx}
1058 \thesis@require{pdfpages}
1059 \thesis@require{keyval}
1060 \thesis@require{ifxetex}
1061 \thesis@require{ifluatex}
```

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

```
1062 \ifthesis@microtype@
1063   \thesis@require[final,babel]{microtype}
1064 \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.

```
1065 {\let\x\expandafter
1066 \x\global\x\let\x\ifthesis@xeluatex\cename if%
1067 \ifxetex true\else
1068   \ifluatex\x\x\x t\x\x\x r\x\x\x u\x\x\x e%
1069   \else f\x\x\x a\x\x\x l\x\x\x s\x\x\x e%
1070   \fi
1071 \fi\endcename}
```

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 X<sub>Y</sub>TeX or LuaTeX, the TeX Gyre Pagella and TeX Gyre Pagella Math are also selected as the main text and math fonts.

```

1072 \ifthesis@xeluatex
1073   \ifthesis@palatino@
1074     \thesis@require{fontspec}
1075     \thesis@require{unicode-math}
1076     \setmainfont[Ligatures=TeX]{TeX Gyre Pagella}
1077     \setmathfont[math-style=ISO,bold-style=ISO,vargreek-shape=TeX]%
1078       {texgyrepagella-math.otf}
1079   \fi

```

The following packages get only loaded, when the document is not being typeset using the X<sub>Y</sub>TeX or LuaTeX engine and the \ifthesis@palatino@ conditional is true:

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

```

1080 \else
1081   \ifthesis@palatino@
1082     \RequirePackage[resetfonts]{cmap}
1083     \thesis@require{lmodern}
1084     \thesis@require{mathpazo}
1085     \thesis@require{tgpagella}
1086     \RequirePackage[T1]{fontenc}
1087   \fi
1088 \fi

```

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

- tabularx – Provides the tabularx environment, which enables the typesetting of tables with flexible-width columns.
- tabu – Provides the tabu environment, which enables the typesetting of complex tables.
- booktabs – A package, which allows the creation of publication-quality tables in L<sup>A</sup>TeX.

```

1089 \let\thesis@newtable@old\tabular
1090 \let\endthesis@newtable@old\endtabular
1091 \ifthesis@newtable@
1092   % Load the packages.
1093   \thesis@require{tabularx}
1094   \thesis@require{tabu}
1095   \thesis@require{booktabs}
1096   % Adjust the measurements.
1097   \setlength{\aboverulesep}{0pt}
1098   \setlength{\belowrulesep}{0pt}
1099   \setlength{\extrarowheight}{.75ex}

```

When both the `\thesis@newtable@` and `\thesis@color@` conditionals are true, then the `tabular` and `tabularx` environments are redefined to better match the style of the given faculty.

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

```

1100 \ifthesis@color@
1101   % The redefinition of ‘tabular’
1102   \renewenvironment{tabular}%
1103     {\rowcolors{1}{thesis@color@tableOdd}%
1104      {thesis@color@tableEven}%
1105      \thesis@newtable@old}%
1106     {\endthesis@newtable@old}
1107   % The redefinition of ‘tabularx’
1108   \let\thesis@newtable@oldx\tabularx
1109   \let\endthesis@newtable@oldx\endtabularx
1110   \renewenvironment{tabularx}%
1111     {\rowcolors{1}{thesis@color@tableEven}%
1112      {thesis@color@tableOdd}%
1113      \thesis@newtable@oldx}%
1114     {\endthesis@newtable@oldx}
1115   % The redefinition of ‘tabu’
1116   \let\thesis@newtable@oldtabu\tabu
1117   \let\endthesis@newtable@oldtabu\endtabu
1118   \renewenvironment{tabu}%
1119     {\rowcolors{1}{thesis@color@tableEven}%
1120      {thesis@color@tableOdd}%
1121      \thesis@newtable@oldtabu}%
1122     {\endthesis@newtable@oldtabu}
1123 \fi
1124 \fi

```

`\ifthesis@bibliography@` A new conditional, `\ifthesis@bibliography@`, is defined. This conditional is true, when `\thesis@bibFiles` expands to a non-empty token list.



```

1125 \newif\ifthesis@bibliography@
1126 \thesis@bibliography@false
1127 \ifx\thesis@bibFiles\undefined\else
1128   {\edef\@bibList{\thesis@bibFiles}%
1129     \ifx\@bibList\empty\else
1130       \global\thesis@bibliography@true
1131     \fi}
1132 \fi

```

`\thesis@bibliography@setup` The file defines the `\thesis@bibliography@setup{<options>}` command, where *options* is a comma-delimited list of key-value pairs as defined by the keyval package. The command can be invoked by the subsequently loaded style files to define the bibliography options.

```

1133 \def\thesis@bibliography@setup#1{%
1134   \setkeys{thesis@bibliography}{#1}}

```

The following key-value pairs are supported:

- |                                           |                                                                                                                                                                  |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <code>\thesis@bibliography@style</code>   | 1. <code>{&lt;style=style&gt;}</code> – Stores style in <code>\thesis@bibliography@style</code> , unless it has already been defined (presumably by the user).   |
| <code>\thesis@bibliography@sorting</code> | 2. <code>{&lt;sorting=mode&gt;}</code> – Stores mode in <code>\thesis@bibliography@sorting</code> , unless it has already been defined (presumably by the user). |

```

1135 \define@key{thesis@bibliography}{style}{%
1136   \ifx\thesis@bibliography@style\undefined
1137     \def\thesis@bibliography@style{#1}%
1138   \fi}
1139 \define@key{thesis@bibliography}{sorting}{%
1140   \ifx\thesis@bibliography@sorting\undefined
1141     \def\thesis@bibliography@sorting{#1}%
1142   \fi}

```

`\thesis@bibliography@load` When `\ifthesis@bibliography@` is true and `\ifthesis@bibliography@loaded@` is false, the `\thesis@bibliography@load` macro loads the csquotes and BibLaTeX packages with the bibliography databases specified in `\thesis@bibFiles`. The macro also sets the `\ifthesis@bibliography@loaded@` conditional to true.

```

1143 \newif\ifthesis@bibliography@loaded@
1144 \thesis@bibliography@loaded@false
1145 \newif\ifthesis@bibliography@included@
1146 \thesis@bibliography@included@false
1147 \def\thesis@bibliography@load{%
1148   \ifthesis@bibliography@
1149     \ifthesis@bibliography@loaded@false
1150       \thesis@bibliography@loaded@true
1151       % Load csquotes and BibLaTeX.
1152       \thesis@require{csquotes}

```

If `\thesis@bibliography@style` is undefined, the bibliography and citation styles default to iso-numeric. If `\thesis@bibliography@sorting` is undefined, the sorting scheme defaults to none.

```

1153 \thesis@bibliography@setup{
1154     style = iso-numeric,
1155     sorting = none}
1156 \thesis@require[
1157     backend=biber,
1158     style=\thesis@bibliography@style,
1159     sorting=\thesis@bibliography@sorting,
1160     autolang=other,
1161     sortlocale=auto]{biblatex}
1162 % Load the bibliography databases.
1163 {\edef\bibList{\thesis@bibFiles}%
1164 \def\@inject##1,{%
1165     \def\@args{##1}\def\@relax{\relax}%
1166     \ifx\@args\@relax\else
1167         % Trim leading spaces.
1168         \edef\@trimmed{\romannumeral-'\.##1}%
1169         \addbibresource\@trimmed
1170         \expandafter\@inject\fi}%
1171 \expandafter\@inject\bibList,\relax,}%

```

`\ifthesis@bibliography@included@` The `\ifthesis@bibliography@included@` conditional is true, when the user has manually included a bibliography into their document. The default value of the conditional is false and `\printbibliography` is patched to set the conditional to true on expansion. This enables the user to place the bibliography manually without it appearing in the autolayout. The original macro is stored in the

`\thesis@printbibliography@old` `\thesis@printbibliography@old` macro.

```

1172 \let\thesis@printbibliography@old\printbibliography
1173 \def\printbibliography{%
1174     \global\thesis@bibliography@included@true
1175     \thesis@printbibliography@old}
1176 \fi
1177 \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.

```

1178 \thesis@require{hyperref}
1179 \hypersetup{pdfborderstyle={/S/U/W 1}} % Less obtrusive borders

```

Clubs and widows are set to be infinitely bad.

```

1180 \widowpenalty 10000
1181 \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.

```

1182 \def\thesis@color@setup#1{%
1183     \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.

```
1184 \define@key{thesis@color}{links}{%
1185   \definecolor{thesis@color@links}#1
1186   \hypersetup{linkbordercolor=thesis@color@links}}
1187 \define@key{thesis@color}{tableOdd}{%
1188   \definecolor{thesis@color@tableOdd}#1}
1189 \define@key{thesis@color}{tableEven}{%
1190   \definecolor{thesis@color@tableEven}#1}
1191 \define@key{thesis@color}{tableEmph}{%
1192   \definecolor{thesis@color@tableEmph}#1}
```

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

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

```
1193 \def\thesis@blocks@coverMatter{%
1194   \pagenumbering{gobble}}
```

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

```
1195 \def\thesis@blocks@frontMatter{%
1196   \thesis@blocks@clear
1197   \pagestyle{plain}
1198   \parindent 1.5em
1199   \setcounter{page}{1}
1200   \pagenumbering{roman}}
```

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

```
1201 \def\thesis@blocks@clear{%
1202   \ifthesis@twoside@
1203     \clearpage
```

```

1204 \thispagestyle{empty}%
1205 \cleardoublepage
1206 \else
1207 \newpage
1208 \fi}

\thesis@blocks@clearRight The \thesis@blocks@clearRight macro clears the current page. It also clears the
next right-hand (odd-numbered) page, when double-sided typesetting is enabled.
1209 \def\thesis@blocks@clearRight{%
1210 \ifthesis@twoside@
1211 \clearpage
1212 \ifodd\value{page}%
1213 \thispagestyle{empty}%
1214 \hbox{}%
1215 \newpage
1216 \fi
1217 \else
1218 \newpage
1219 \fi}

\thesis@blocks@facultyLogo@monochrome The \thesis@blocks@facultyLogo@monochrome[options] macro typesets the
\thesis@logopath\thesis@facultyLogo logo with the given options passed to
\includegraphics.
1220 \newcommand{\thesis@blocks@facultyLogo@monochrome}[1]%
1221 [width=40mm]{%
1222 \edef\@path{\thesis@logopath\thesis@facultyLogo}%
1223 \includegraphics[#1]{\@path}}

\thesis@blocks@facultyLogo@color The \thesis@blocks@facultyLogo@color[options] macro typesets either the
\thesis@logopath\thesis@facultyLogo logo, if the \ifthesis@color@ condi-
tional is false, or the \thesis@logopath\thesis@facultyLogo-color logo oth-
erwise with the given options passed to \includegraphics.
1224 \newcommand{\thesis@blocks@facultyLogo@color}[1]%
1225 [width=40mm]{%
1226 \edef\@path{\thesis@logopath\thesis@facultyLogo
1227 \ifthesis@color@-color\fi}%
1228 \includegraphics[#1]{\@path}}

\thesis@blocks@universityLogo@monochrome The \thesis@blocks@universityLogo@monochrome[options] macro typesets the
\thesis@logopath\thesis@universityLogo logo with the given options passed to
\includegraphics.
1229 \newcommand{\thesis@blocks@universityLogo@monochrome}[1]%
1230 [width=40mm]{%
1231 \edef\@path{\thesis@logopath\thesis@universityLogo}%
1232 \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@ con-

```

ditional is false, or the `\thesis@logopath\thesis@universityLogo-color` logo otherwise with the given *options* passed to `\includegraphics`.

```
1233 \newcommand{\thesis@blocks@universityLogo@color}[1]%
1234   [width=40mm]{\%
1235     \edef\@path{\thesis@logopath\thesis@universityLogo
1236       \ifthesis@color@-color\fi}%
1237     \includegraphics[#1]{\@path}}}
```

The `\thesis@department@name` and `\thesis@field@name` macros and their English counterparts provide a level of indirection that allows the subsequently loaded style files to parse the values of `\thesis@department` and `\thesis@field` (and their English counterparts) and map them to human-readable names, which will then be typeset.

```
1238 \let\thesis@department@name\thesis@department
1239 \let\thesis@departmentEn@name\thesis@departmentEn
1240 \let\thesis@field@name\thesis@field
1241 \let\thesis@fieldEn@name\thesis@fieldEn
```

`\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.

```
1242 \def\thesis@blocks@cover{%
1243   \ifthesis@cover@
1244     \thesis@blocks@clear
1245     \begin{alwaysingle}%
1246       \thispagestyle{empty}%
1247       \begin{center}%
1248         \thesis@blocks@cover@header
1249         \thesis@blocks@facultyLogo@monochrome\[\[0.4in]%
1250         \let\footnotesize\small
1251         \let\footnoterule\relax}%
1252       \thesis@blocks@cover@content
1253       \par\vfill
1254       \thesis@blocks@cover@footer
1255     \end{center}%
1256   \end{alwaysingle}%
1257 \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.

```

1258 \newif\ifthesis@blocks@cover@university@
1259 \thesis@blocks@cover@university@true
1260 \newif\ifthesis@blocks@cover@faculty@
1261 \thesis@blocks@cover@faculty@true
1262 \newif\ifthesis@blocks@cover@department@
1263 \thesis@blocks@cover@department@false
1264 \newif\ifthesis@blocks@cover@field@
1265 \thesis@blocks@cover@field@false
1266
1267 \def\thesis@blocks@cover@header{%
1268   {\sc\ifthesis@blocks@cover@university@
1269     \thesis@titlePage@LARGE\thesis@{@{universityName}}\\%
1270     \fi\ifthesis@blocks@cover@faculty@
1271       \thesis@titlePage@Large\thesis@{@{facultyName}}\\%
1272     \fi\ifthesis@blocks@cover@department@
1273       \thesis@titlePage@large\thesis@department@name\\%
1274     \fi}
1275   \ifthesis@blocks@cover@field@
1276     {\thesis@titlePage@large\vskip 1em%
1277       {\bf\thesis@{@{fieldTitle}}:} \thesis@field@name}%
1278   \fi\vskip 2em}
1279 \def\thesis@blocks@cover@content{%
1280   {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}%
1281   \vskip 0.8in%
1282   {\thesis@titlePage@large\sc\thesis@{@{typeName}}\\[0.3in]%
1283     {\thesis@titlePage@Large\bf\thesis@author}}
1284 \def\thesis@blocks@cover@footer{%
1285   {\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.

```

1286 \def\thesis@blocks@titlePage{%
1287     \thesis@blocks@clear
1288     \begin{alwaysingle}%
1289         \thispagestyle{empty}%
1290         \begin{center}%
1291             \thesis@blocks@titlePage@header
1292             \thesis@blocks@facultyLogo@color\[\[0.4in]%
1293             \let\footnotesize\small
1294             \let\footnoterule\relax}%
1295             \thesis@blocks@titlePage@content
1296             \par\vfill
1297             \thesis@blocks@titlePage@footer
1298         \end{center}%
1299     \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.

```

1300 \newif\ifthesis@blocks@titlePage@university@
1301 \thesis@blocks@titlePage@university@true
1302 \newif\ifthesis@blocks@titlePage@faculty@
1303 \thesis@blocks@titlePage@faculty@true
1304 \newif\ifthesis@blocks@titlePage@department@
1305 \thesis@blocks@titlePage@department@false
1306 \newif\ifthesis@blocks@titlePage@field@
1307 \thesis@blocks@titlePage@field@false
1308

```

```

1309 \def\thesis@blocks@titlePage@header{%
1310   {\sc\ifthesis@blocks@titlePage@university@
1311     \thesis@titlePage@LARGE\thesis@{universityName}\\%
1312     \fi\ifthesis@blocks@titlePage@faculty@
1313       \thesis@titlePage@Large\thesis@{facultyName}\\%
1314     \fi\ifthesis@blocks@titlePage@department@
1315       \thesis@titlePage@large\thesis@department@name\\%
1316     \fi}
1317   \ifthesis@blocks@titlePage@field@
1318     {\thesis@titlePage@large\vskip 1em%
1319     {\bf\thesis@{fieldTitle}:} \thesis@field@name}%
1320   \fi\vskip 2em}
1321 \let\thesis@blocks@titlePage@content=\thesis@blocks@cover@content
1322 \let\thesis@blocks@titlePage@footer=\thesis@blocks@cover@footer

```

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

```

1323 \def\thesis@blocks@toc{%
1324   \thesis@blocks@clear
1325   \tableofcontents}

```

\thesis@blocks@tables The \thesis@blocks@tables macro typesets the table of contents and optionally the list of tables and the list of figures.

```

1326 \def\thesis@blocks@tables{%
1327   \thesis@blocks@toc
1328   \thesis@blocks@lot
1329   \thesis@blocks@lof}

```

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

```

1330 \def\thesis@blocks@declaration{%
1331   \thesis@blocks@clear
1332   \begin{alwaysingle}%
1333     \chapter*{\thesis@{declarationTitle}}%
1334     \thesis@declaration
1335     \vskip 2cm%
1336     \hfill\thesis@author
1337   \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.

```

1338 \def\thesis@blocks@thanks{%
1339   \ifx\thesis@thanks\undefined\else
1340     \thesis@blocks@clear
1341     \begin{alwaysingle}%
1342       \chapter*{\vspace*{\fill}\thesis@{thanksTitle}}%
1343       \thesis@thanks
1344     \end{alwaysingle}%
1345   \fi}

```

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



```

1346 \def\thesis@blocks@abstract{%
1347   \begin{alwaysingle}%
1348   % Start the new chapter without clearing the right page
1349   {\def\cleardoublepage{}
1350    \chapter*{\thesis@{abstractTitle}}}%
1351   \noindent\thesis@abstract
1352   \par\vfil\null
1353   \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.

```

1354 \def\thesis@blocks@abstractEn{%
1355   \ifthesis@english\else
1356     {\thesis@selectLocale{english}%
1357      \begin{alwaysingle}%
1358      % Start the new chapter without clearing the right page
1359      {\def\cleardoublepage{}%
1360       \chapter*{\thesis@english@abstractTitle}%
1361       \thesis@abstractEn}%
1362      \par\vfil\null
1363      \end{alwaysingle}}%
1364   \fi}

```

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

```

1365 \def\thesis@blocks@keywords{%
1366   \begin{alwaysingle}%
1367   % Start the new chapter without clearing the right page
1368   {\def\cleardoublepage{}%
1369    \chapter*{\thesis@{keywordsTitle}}}%
1370    \noindent\thesis@TeXkeywords}%
1371    \par\vfil\null
1372    \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.

```

1373 \def\thesis@blocks@keywordsEn{%
1374   \ifthesis@english\else
1375     {\thesis@selectLocale{english}%
1376      \begin{alwaysingle}%
1377      % Start the new chapter without clearing the right page
1378      {\def\cleardoublepage{}%
1379       \chapter*{\thesis@english@keywordsTitle}%
1380       \thesis@TeXkeywordsEn}%
1381      \par\vfil\null
1382      \end{alwaysingle}}%
1383   \fi}

```

`\thesis@rewind` The `\thesis@rewind` macro rewinds the page numbers by either one or two pages, depending on whether one-side or two-side typesetting is enabled, respectively.

```

1384 \def\thesis@rewind{%
1385   \addtocounter{page}{-\ifthesis@twoside@2\else1\fi}}

```

\thesis@blocks@assignment The \thesis@blocks@assignment macro produces a different output depending on the values of the \thesis@assignmentFiles. \ifthesis@blocks@assignment@, \ifthesis@blocks@assignment@hideIfDigital@, and \ifthesis@digital@ macros.

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

```

1386 \newif\ifthesis@blocks@assignment@
1387 \thesis@blocks@assignment@true
1388 \newif\ifthesis@blocks@assignment@hideIfDigital@
1389 \thesis@blocks@assignment@hideIfDigital@true
1390 \def\thesis@blocks@assignment{%

```

If the \ifthesis@blocks@assignment@ conditional is true and the \thesis@assignmentFiles macro is undefined, then typeset a placeholder page.

```

1391   \ifthesis@blocks@assignment@
1392     \ifx\thesis@assignmentFiles\undefined
1393       % Rewind the pages and typeset a placeholder page.
1394       \thesis@blocks@clear
1395       \begin{alwaysingle}%
1396         \thispagestyle{empty}\thesis@rewind
1397         \noindent\textit{\thesis@{assignment}}%
1398       \end{alwaysingle}%
1399   \else

```

\@inject Locally define \@inject as our routine for injecting lists of PDF documents.

```

1400     {\edef\@pdfList{\thesis@assignmentFiles}%
1401     \let\ea\expandafter
1402     % Injects the specified PDF documents.
1403     \def\@inject##1,{\thesis@blocks@clear
1404       \def\@args{##1}\def\@relax{\relax}%
1405       \ifx\@args\@relax\else
1406         % Trim leading spaces.
1407         \edef\@trimmed{\romannumeral-'\.##1}%
1408         % Rewind the pages and include the PDF.
1409         \thesis@rewind\includepdf[pages=-]\@trimmed
1410       \ea\@inject\fi}%

```

If the \ifthesis@blocks@assignment@ conditional is true and the \thesis@assignmentFiles macro is neither undefined nor empty, then typeset a placeholder page, if the \ifthesis@digital@ conditional is true and the \ifthesis@blocks@assignment@hideIfDigital@ conditional is true

```

1411     \ifx\@pdfList\empty\else
1412       \ifthesis@digital@
1413         \ifthesis@blocks@assignment@hideIfDigital@
1414         \thesis@blocks@clear
1415         \begin{alwaysingle}%
1416           \thispagestyle{empty}\thesis@rewind
1417           \noindent\textit{\thesis@{assignment}}%
1418         \end{alwaysingle}%

```

If the `\ifthesis@blocks@assignment@` conditional is true and the `\thesis@assignmentFiles` macro is neither undefined nor empty, then inject the PDF documents specified in the `\thesis@assignmentFiles`, if the `\ifthesis@digital@` conditional is false or the `\ifthesis@blocks@assignment@hideIfDigital@` conditional is false.

```

1419         \else
1420         \ea\@inject\@pdfList,\relax,%
1421         \fi
1422     \else
1423     \ea\@inject\@pdfList,\relax,%
1424     \fi
1425 \fi}%
1426 \fi
1427 \fi}

```

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

```

1428 \def\thesis@blocks@mainMatter{%
1429 \thesis@blocks@clear
1430 \setcounter{page}{1}
1431 \pagenumbering{arabic}
1432 \pagestyle{thesisheadings}
1433 \parindent 1.5em\relax}

```

`\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 strings:

- `bib@title` – The title of the entire block
- `bib@pages` – The abbreviation of pages used in the bibliographical entry

```

1434 \def\thesis@blocks@bibEntry{%
1435 \chapter*{\thesis@{bib@title}}
1436 \noindent\thesis@upper{author@tail}, \thesis@author@head.
1437 \emph{\thesis@title}. \thesis@place: \thesis@{universityName},
1438 \thesis@{facultyName}, \thesis@department@name, \thesis@year.
1439 \thesis@pages\ \thesis@{bib@pages}.
1440 \thesis@{adviserTitle}: \thesis@adviser
1441 \thesis@blocks@clearRight}

```

`\thesis@blocks@bibliography` When `\ifthesis@bibliography@loaded@` is true and `\ifthesis@bibliography@included@` false, then the `\thesis@blocks@bibliography` macro typesets a bibliography via the Bib<sub>La</sub>T<sub>E</sub>X package. Otherwise, this macro produces no output.

```

1442 \def\thesis@blocks@bibliography{%
1443 \ifthesis@bibliography@loaded@
1444 \ifthesis@bibliography@included@\else
1445 \thesis@blocks@clear
1446 {\emergencystretch=3em%
1447 \printbibliography[heading=bibintoc]}}%
1448 \fi
1449 \fi}

```

The rest of the file comprises redefinitions of L<sup>A</sup>T<sub>E</sub>X 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.

```

1450 % Table of contents will contain sectioning commands up to
1451 % \subsection.
1452 \setcounter{tocdepth}{2}
1453
1454 % Sections up to \subsection will be numbered.
1455 \setcounter{secnumdepth}{2}
1456
1457 % Load the 'fithesis-1*.clo' size option.
1458 \input\thesis@stylepath mu/fithesis-1\thesis@ptsize.clo\relax
1459
1460 % Define the running heading style.
1461 \def\ps@thesisheadings{%
1462   \def\chaptermark##1{%
1463     \markright{%
1464       \ifnum\c@secnumdepth >\m@ne
1465         \thechapter.\ %
1466         \fi ##1}}
1467   \let\@oddfoot\@empty
1468   \let\@oddhead\@empty
1469   \def\@oddhead{%
1470     \vbox{%
1471       \hbox to \textwidth{%
1472         \hfil{\sc\rightmark}}}%
1473     \vskip 4pt\hrule}}
1474   \if@twoside
1475     \def\@evenhead{%
1476       \vbox{%
1477         \hbox to \textwidth{%
1478           {\sc\rightmark}%
1479           \hfil}
1480         \vskip 4pt\hrule}}
1481   \else
1482     \let\@evenhead\@oddhead
1483   \fi
1484   \def\@oddfoot{\hfil\PageFont\thepage}
1485   \if@twoside
1486     \def\@evenfoot{\PageFont\thepage\hfil}%
1487   \else
1488     \let\@evenfoot\@oddfoot
1489   \fi
1490   \let\@mkboth\markboth}
1491
1492 % Redefine the style of the chapter headings.
1493 \renewcommand*{\chapter{%

```

```

1494 \thesis@blocks@clear
1495 \thispagestyle{plain}%
1496 \global\@topnum\z@
1497 \@afterindentfalse
1498 \secdef\@chapter\@schapter}
1499
1500 % Redefine the style of part headings.
1501 \renewcommand*\part{%
1502   \thesis@blocks@clear
1503   \if@twocolumn
1504     \onecolumn
1505     \@tempswattrue
1506   \else
1507     \@tempswafalse
1508   \fi
1509   \hbox{}\vfil
1510   \secdef\@part\@spart}
1511
1512 % A macro for temporary multicol -> singlecol switching.
1513 \newif\if@restonecol
1514 \def\alwaysingle{%
1515   \@restonecolfalse\if@twocolumn\@restonecoltrue\onecolumn\fi}
1516 \def\endalwaysingle{\if@restonecol\twocolumn\fi}
1517
1518 % Disable uppercasing in PDF strings.
1519 \pdfstringdefDisableCommands{%
1520   \let\MakeUppercase\relax}
1521
1522 % Set up the ToC entries appearance.
1523 \renewcommand*\toc@font[1]{%
1524   \ifcase #1\relax
1525     \bfseries % \chapter (0)
1526   \or
1527     \slshape % \section (1)
1528   \else
1529     \rmfamily % \subsection (2), \subsubsection (3)
1530               % \paragraph, \subparagraph (4)
1531   \fi}
1532
1533 % Set up the table of contents entries for sectioning commands.
1534 \renewcommand*\l@part[2]{%
1535   \ifnum \c@tocdepth >-2\relax
1536     \addpenalty{-\@highpenalty}%
1537     \ifnum \c@tocdepth >0\relax
1538       \addvspace{2.25em \@plus\p@}%
1539     \else
1540       \addvspace{1.0em \@plus\p@}%
1541     \fi
1542     \begingroup
1543       \setlength\@tempdima{3em}%

```

```

1544 \parindent \z@ \rightskip \@pnumwidth
1545 \parfillskip -\@pnumwidth
1546 {\leavevmode
1547 \normalfont \bfseries #1\hfil \hbext@\@pnumwidth{\hss #2}}\par
1548 \nobreak
1549 \global\@nobreaktrue
1550 \everypar{\global\@nobreakfalse\everypar{}}%
1551 \endgroup
1552 \fi}
1553
1554 \renewcommand*\l@chapter[2]{%
1555 \ifnum \c@tocdepth >0\relax
1556 \addpenalty{-\@highpenalty}%
1557 \addvspace{1.0em \@plus\p@}%
1558 \setlength\@tempdima{1.5em}%
1559 \begingroup
1560 \parindent \z@ \rightskip \@pnumwidth
1561 \parfillskip -\@pnumwidth
1562 \leavevmode \bfseries
1563 \advance\leftskip\@tempdima
1564 \hskip -\leftskip
1565 #1\nobreak\hfil \nobreak\hbext@\@pnumwidth{\hss #2}\par
1566 \penalty\@highpenalty
1567 \endgroup
1568 \else
1569 \@dottedtocline{0}{0em}{1.5em}{#1}{#2}
1570 \fi}
1571
1572 \renewcommand*\l@section{\@dottedtocline{1}{1.5em}{2.3em}}
1573 \renewcommand*\l@subsection{\@dottedtocline{2}{3.8em}{3.2em}}
1574 \renewcommand*\l@subsubsection{\@dottedtocline{3}{7.0em}{4.1em}}
1575 \renewcommand*\l@paragraph{\@dottedtocline{4}{10.0em}{5.0em}}
1576 \renewcommand*\l@subparagraph{\@dottedtocline{4}{12.0em}{6.0em}}

```

### 3.5.2.3 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.

```

1577 <*opt>
1578 <*10pt>
1579 \ProvidesFile{fithesis/style/mu/fithesis-10.clo}[2016/05/15]
1580
1581 \renewcommand{\normalsize}{\fontsize\@xpt{12}\selectfont}
1582 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1583 \belowdisplayskip \abovedisplayskip
1584 \abovedisplayshortskip \z@ plus3\p@
1585 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1586 \let\@listi\@listI}
1587
1588 \renewcommand{\small}{\fontsize\@ixpt{11}\selectfont}

```

```

1589 \abovedisplayskip 8.5\p@ plus3\p@ minus4\p@
1590 \belowdisplayskip \abovedisplayskip
1591 \abovedisplayshortskip \z@ plus2\p@
1592 \belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
1593 \def\@listi{\leftmargin\leftmargini
1594 \topsep 4\p@ plus2\p@ minus2\p@\parsep 2\p@ plus\p@ minus\p@
1595 \itemsep \parsep}}
1596
1597 \renewcommand{\footnotesize}{\fontsize\@viipt{9.5}\selectfont
1598 \abovedisplayskip 6\p@ plus2\p@ minus4\p@
1599 \belowdisplayskip \abovedisplayskip
1600 \abovedisplayshortskip \z@ plus\p@
1601 \belowdisplayshortskip 3\p@ plus\p@ minus2\p@
1602 \def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
1603 \topsep 3\p@ plus\p@ minus\p@\parsep 2\p@ plus\p@ minus\p@
1604 \itemsep \parsep}}
1605
1606 \renewcommand{\scriptsize}{\fontsize\@viipt{8pt}\selectfont}
1607 \renewcommand{\tiny}{\fontsize\@vpt{6pt}\selectfont}
1608 \renewcommand{\large}{\fontsize\@xiipt{14pt}\selectfont}
1609 \renewcommand{\Large}{\fontsize\@xivpt{18pt}\selectfont}
1610 \renewcommand{\LARGE}{\fontsize\@xviipt{22pt}\selectfont}
1611 \renewcommand{\huge}{\fontsize\@xxpt{25pt}\selectfont}
1612 \renewcommand{\Huge}{\fontsize\@xxvpt{30pt}\selectfont}
1613
1614 </10pt>

```

### 3.5.2.4 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.

```

1615 <*11pt>
1616 \ProvidesFile{fithesis/style/mu/fithesis-11.clo}[2016/05/15]
1617
1618 \renewcommand{\normalsize}{\fontsize\@xipt{14}\selectfont
1619 \abovedisplayskip 11\p@ plus3\p@ minus6\p@
1620 \belowdisplayskip \abovedisplayskip
1621 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1622 % \abovedisplayshortskip \z@ plus3\p@
1623 \let\@listi\@listI}
1624
1625 \renewcommand{\small}{\fontsize\@xpt{12}\selectfont
1626 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1627 \belowdisplayskip \abovedisplayskip
1628 \abovedisplayshortskip \z@ plus3\p@
1629 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1630 \def\@listi{\leftmargin\leftmargini
1631 \topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
1632 \itemsep \parsep}}
1633

```

```

1634 \renewcommand{\footnotesize}{\fontsize\@ixpt{11}\selectfont
1635 \abovedisplayskip 8\p@ plus2\p@ minus4\p@
1636 \belowdisplayskip \abovedisplayskip
1637 \abovedisplayshortskip \z@ plus\p@
1638 \belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
1639 \def\@listi{\leftmargin\leftmargini
1640 \topsep 4\p@ plus2\p@ minus2\p@\parsep 2\p@ plus\p@ minus\p@
1641 \itemsep \parsep}}
1642
1643 \renewcommand{\scriptsize}{\fontsize\@viipt{9.5pt}\selectfont}
1644 \renewcommand{\tiny}{\fontsize\@vpt{7pt}\selectfont}
1645 \renewcommand{\large}{\fontsize\@xipt{14pt}\selectfont}
1646 \renewcommand{\Large}{\fontsize\@xivpt{18pt}\selectfont}
1647 \renewcommand{\LARGE}{\fontsize\@xxvpt{22pt}\selectfont}
1648 \renewcommand{\huge}{\fontsize\@xxxpt{25pt}\selectfont}
1649 \renewcommand{\Huge}{\fontsize\@xxvpt{30pt}\selectfont}
1650
1651 </11pt>

```

### 3.5.2.5 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:

<code>\thesis@titlePage@normalsize</code>	• <code>\thesis@titlePage@normalsize</code> – Equivalent to <code>\normalsize</code>
<code>\thesis@titlePage@small</code>	• <code>\thesis@titlePage@small</code> – Equivalent to <code>\small</code>
<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.

```

1652 <*12pt>
1653 \ProvidesFile{fithesis/style/mu/fithesis-12.clo}[2016/05/15]
1654 </12pt>
1655
1656 \def\thesis@titlePage@normalsize{\fontsize\@xipt{14.5}%

```



```

1657 \selectfont\abovedisplayskip 12\p@ plus3\p@ minus7\p@
1658 \belowdisplayskip \abovedisplayskip
1659 \abovedisplayshortskip \z@ plus3\p@
1660 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1661 \let\@listi\@listI}
1662
1663 \def\thesis@titlePage@small{\fontsize\@xipt{13.6}\selectfont
1664 \abovedisplayskip 11\p@ plus3\p@ minus6\p@
1665 \belowdisplayskip \abovedisplayskip
1666 \abovedisplayshortskip \z@ plus3\p@
1667 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1668 \def\@listi{\leftmargin\leftmarginI %% Added 22 Dec 87
1669 \parsep 4.5\p@ plus2\p@ minus\p@
1670 \itemsep \parsep
1671 \topsep 9\p@ plus3\p@ minus5\p@}}
1672
1673 \def\thesis@titlePage@footnotesize{\fontsize\@xpt{12}\selectfont
1674 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1675 \belowdisplayskip \abovedisplayskip
1676 \abovedisplayshortskip \z@ plus3\p@
1677 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1678 \def\@listi{\leftmargin\leftmarginI %% Added 22 Dec 87
1679 \topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
1680 \itemsep \parsep}}
1681
1682 \def\thesis@titlePage@scriptsize{\fontsize\@viipt{9.5pt}\selectfont}
1683 \def\thesis@titlePage@tiny{\fontsize\@vipt{7pt}\selectfont}
1684 \def\thesis@titlePage@large{\fontsize\@xivpt{18pt}\selectfont}
1685 \def\thesis@titlePage@Large{\fontsize\@xviipt{22pt}\selectfont}
1686 \def\thesis@titlePage@LARGE{\fontsize\@xxpt{25pt}\selectfont}
1687 \def\thesis@titlePage@huge{\fontsize\@xxvpt{30pt}\selectfont}
1688 \def\thesis@titlePage@Huge{\fontsize\@xxvpt{30pt}\selectfont}
1689
1690 (*12pt)
1691 \renewcommand{\normalsize}{\thesis@titlePage@normalsize}
1692 \renewcommand{\small}{\thesis@titlePage@small}
1693 \renewcommand{\footnotesize}{\thesis@titlePage@footnotesize}
1694 \renewcommand{\scriptsize}{\thesis@titlePage@scriptsize}
1695 \renewcommand{\tiny}{\thesis@titlePage@tiny}
1696 \renewcommand{\large}{\thesis@titlePage@large}
1697 \renewcommand{\Large}{\thesis@titlePage@Large}
1698 \renewcommand{\LARGE}{\thesis@titlePage@LARGE}
1699 \renewcommand{\huge}{\thesis@titlePage@huge}
1700 \renewcommand{\Huge}{\thesis@titlePage@Huge}
1701 (/12pt)
1702 \let\@normalsize\normalsize
1703 \normalsize
1704
1705 \if@twoside
1706 \oddsidemargin 0.75in

```

```

1707 \evensidemargin 0.4in
1708 \marginparwidth 0pt
1709 \else
1710 \oddsidemargin 0.75in
1711 \evensidemargin 0.75in
1712 \marginparwidth 0pt
1713 \fi
1714 \marginparsep 10pt
1715
1716 \topmargin 0.4in
1717
1718 \headheight 20pt
1719 \headsep 10pt
1720 \topskip 10pt
1721 \footskip 30pt
1722
1723 (*10pt)
1724 \textheight = 43\baselineskip
1725 \advance\textheight by \topskip
1726 \textwidth 5.0truein
1727 \columnsep 10pt
1728 \columnseprule 0pt
1729
1730 \footnotesep 6.65pt
1731 \skip\footins 9pt plus 4pt minus 2pt
1732 \floatsep 12pt plus 2pt minus 2pt
1733 \textfloatsep 20pt plus 2pt minus 4pt
1734 \intextsep 12pt plus 2pt minus 2pt
1735 \dblfloatsep 12pt plus 2pt minus 2pt
1736 \dbltextfloatsep 20pt plus 2pt minus 4pt
1737
1738 \@fptop 0pt plus 1fil
1739 \@fpsep 8pt plus 2fil
1740 \@fpbot 0pt plus 1fil
1741 \@dblfpptop 0pt plus 1fil
1742 \@dblfpsep 8pt plus 2fil
1743 \@dblfpbot 0pt plus 1fil
1744 \marginparpush 5pt
1745
1746 \parskip 0pt plus 1pt
1747 \partopsep 2pt plus 1pt minus 1pt
1748
1749 (/10pt)
1750 %
1751 (*11pt)
1752 \textheight = 39\baselineskip
1753 \advance\textheight by \topskip
1754 \textwidth 5.0truein
1755 \columnsep 10pt
1756 \columnseprule 0pt

```

1757  
1758 \footnotesep 7.7pt  
1759 \skip\footins 10pt plus 4pt minus 2pt  
1760 \floatsep 12pt plus 2pt minus 2pt  
1761 \textfloatsep 20pt plus 2pt minus 4pt  
1762 \intextsep 12pt plus 2pt minus 2pt  
1763 \dblfloatsep 12pt plus 2pt minus 2pt  
1764 \dbltextfloatsep 20pt plus 2pt minus 4pt  
1765  
1766 \@fptop 0pt plus 1fil  
1767 \@fpsep 8pt plus 2fil  
1768 \@fpbot 0pt plus 1fil  
1769 \@dblftop 0pt plus 1fil  
1770 \@dblfpsep 8pt plus 2fil  
1771 \@dblfpbot 0pt plus 1fil  
1772 \marginparpush 5pt  
1773  
1774 \parskip 0pt plus 0pt  
1775 \partopsep 3pt plus 1pt minus 2pt  
1776  
1777 </11pt>  
1778 %  
1779 <\*12pt>  
1780 \textheight = 37\baselineskip  
1781 \advance\textheight by \topskip  
1782 \textwidth 5.0truein  
1783 \columnsep 10pt  
1784 \columnseprule 0pt  
1785  
1786 \footnotesep 8.4pt  
1787 \skip\footins 10.8pt plus 4pt minus 2pt  
1788 \floatsep 14pt plus 2pt minus 4pt  
1789 \textfloatsep 20pt plus 2pt minus 4pt  
1790 \intextsep 14pt plus 4pt minus 4pt  
1791 \dblfloatsep 14pt plus 2pt minus 4pt  
1792 \dbltextfloatsep 20pt plus 2pt minus 4pt  
1793  
1794 \@fptop 0pt plus 1fil  
1795 \@fpsep 10pt plus 2fil  
1796 \@fpbot 0pt plus 1fil  
1797 \@dblftop 0pt plus 1fil  
1798 \@dblfpsep 10pt plus 2fil  
1799 \@dblfpbot 0pt plus 1fil  
1800 \marginparpush 7pt  
1801  
1802 \parskip 0pt plus 0pt  
1803 \partopsep 3pt plus 2pt minus 2pt  
1804  
1805 </12pt>  
1806 \@lowpenalty 51

```

1807 \@medpenalty 151
1808 \@highpenalty 301
1809 \@beginparpenalty -\@lowpenalty
1810 \@endparpenalty -\@lowpenalty
1811 \@itempenalty -\@lowpenalty
1812
1813 \def\@makechapterhead#1{%
1814   \setlength\parindent{\z@}%
1815   \setlength\parskip {\z@}%
1816   \Large \ChapFont
1817   \ifnum
1818     \c@secnumdepth >\m@ne
1819     \par\nobreak
1820     \vskip 10\p@
1821     \thechapter{} \space
1822   \fi #1\par
1823   \nobreak
1824   \vskip 20\p@}}
1825
1826 \def\@makeschapterhead#1{%
1827   \setlength\parindent{\z@}%
1828   \setlength\parskip {\z@}%
1829   \Large \ChapFont #1\par
1830   \nobreak
1831   \vskip 20\p@}}
1832
1833 \def\chapter{%
1834   \clearpage
1835   \thispagestyle{plain}
1836   \global\@topnum\z@
1837   \@afterindentfalse
1838   \secdef\@chapter\@schapter}
1839
1840 \def\@chapter[#1]#2{%
1841   \ifnum \c@secnumdepth
1842     >\m@ne
1843     \refstepcounter{chapter}%
1844     \typeout{\@chapapp\space\thechapter.}%
1845     \addcontentsline{toc}{chapter}{\protect
1846       \numberline{\thechapter}\bfseries #1}
1847   \else
1848     \addcontentsline{toc}{chapter}{\bfseries #1}
1849   \fi
1850   \chaptermark{#1}%
1851   \addtocontents{lof}%
1852   {\protect\addvspace{4\p@}}
1853   \addtocontents{lot}%
1854   {\protect\addvspace{4\p@}}
1855   \if@twocolumn
1856     \@topnewpage[\@makechapterhead{#2}]%

```

```

1857 \else
1858 \makechapterhead{#2}%
1859 \@afterheading
1860 \fi
1861 }
1862
1863 \def\section{\@startsection{section}{1}{\z@}{%
1864 -3.5ex plus-1ex minus-.2ex}{2.3ex plus.2ex}{%
1865 \reset@font\large\bfseries}}
1866 \def\subsection{\@startsection{subsection}{2}{\z@}{%
1867 -3.25ex plus-1ex minus-.2ex}{1.5ex plus.2ex}{%
1868 \reset@font\normalsize\bfseries}}
1869 \def\subsubsection{\@startsection{subsubsection}{3}{\z@}{%
1870 -3.25ex plus-1ex minus-.2ex}{1.5ex plus.2ex}{%
1871 \reset@font\normalsize}}
1872 \def\paragraph{\@startsection{paragraph}{4}{\z@}{%
1873 3.25ex plus1ex minus.2ex}{-1em}{%
1874 \reset@font\normalsize\bfseries}}
1875 \def\subparagraph{\@startsection{subparagraph}{4}{\parindent}{%
1876 3.25ex plus1ex minus.2ex}{-1em}{%
1877 \reset@font\normalsize\bfseries}}
1878
1879 \leftmargini 2.5em
1880 \leftmarginii 2.2em % > \labelsep + width of '(m)'
1881 \leftmarginiii 1.87em % > \labelsep + width of 'vii.'
1882 \leftmarginiv 1.7em % > \labelsep + width of 'M.'
1883 \leftmarginv 1em
1884 \leftmarginvi 1em
1885
1886 \leftmargin\leftmargini
1887 \labelsep .5em
1888 \labelwidth\leftmargini\advance\labelwidth-\labelsep
1889
1890 (*10pt)
1891 \def\@listI{\leftmargin\leftmargini \parsep 4\p@ plus2\p@ minus\p@
1892 \topsep 8\p@ plus2\p@ minus4\p@
1893 \itemsep 4\p@ plus2\p@ minus\p@}
1894
1895 \let\@listi\@listI
1896 \@listi
1897
1898 \def\@listii{\leftmargin\leftmarginii
1899 \labelwidth\leftmarginii\advance\labelwidth-\labelsep
1900 \topsep 4\p@ plus2\p@ minus\p@
1901 \parsep 2\p@ plus\p@ minus\p@
1902 \itemsep \parsep}
1903
1904 \def\@listiii{\leftmargin\leftmarginiii
1905 \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1906 \topsep 2\p@ plus\p@ minus\p@

```

```

1907 \parsep \z@ \partopsep\p@ plus\z@ minus\p@
1908 \itemsep \topsep}
1909
1910 \def\@listiv{\leftmargin\leftmarginiv
1911 \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1912
1913 \def\@listv{\leftmargin\leftmarginv
1914 \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1915
1916 \def\@listvi{\leftmargin\leftmarginvi
1917 \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1918 (/10pt)
1919 %
1920 (*11pt)
1921 \def\@listI{\leftmargin\leftmarginI \parsep 4.5\p@ plus2\p@ minus\p@
1922 \topsep 9\p@ plus3\p@ minus5\p@
1923 \itemsep 4.5\p@ plus2\p@ minus\p@}
1924
1925 \let\@listi\@listI
1926 \@listi
1927
1928 \def\@listii{\leftmargin\leftmarginii
1929 \labelwidth\leftmarginii\advance\labelwidth-\labelsep
1930 \topsep 4.5\p@ plus2\p@ minus\p@
1931 \parsep 2\p@ plus\p@ minus\p@
1932 \itemsep \parsep}
1933
1934 \def\@listiii{\leftmargin\leftmarginiii
1935 \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1936 \topsep 2\p@ plus\p@ minus\p@
1937 \parsep \z@ \partopsep \p@ plus\z@ minus\p@
1938 \itemsep \topsep}
1939
1940 \def\@listiv{\leftmargin\leftmarginiv
1941 \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1942
1943 \def\@listv{\leftmargin\leftmarginv
1944 \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1945
1946 \def\@listvi{\leftmargin\leftmarginvi
1947 \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1948 (/11pt)
1949 %
1950 (*12pt)
1951 \def\@listI{\leftmargin\leftmarginI \parsep 5\p@ plus2.5\p@ minus\p@
1952 \topsep 10\p@ plus4\p@ minus6\p@
1953 \itemsep 5\p@ plus2.5\p@ minus\p@}
1954
1955 \let\@listi\@listI
1956 \@listi

```

```

1957
1958 \def\@listii{\leftmargin\leftmarginii
1959 \labelwidth\leftmarginii\advance\labelwidth-\labelsep
1960 \topsep 5\p@ plus2.5\p@ minus\p@
1961 \parsep 2.5\p@ plus\p@ minus\p@
1962 \itemsep \parsep}
1963
1964 \def\@listiii{\leftmargin\leftmarginiii
1965 \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1966 \topsep 2.5\p@ plus\p@ minus\p@
1967 \parsep \z@ \partopsep \p@ plus\z@ minus\p@
1968 \itemsep \topsep}
1969
1970 \def\@listiv{\leftmargin\leftmarginiv
1971 \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1972
1973 \def\@listv{\leftmargin\leftmarginv
1974 \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1975
1976 \def\@listvi{\leftmargin\leftmarginvi
1977 \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1978 </12pt>
1979 </opt>

```

### 3.5.3 The style files of the Faculty of Informatics

#### 3.5.3.1 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>.

```

1980 \NeedsTeXFormat{LaTeX2e}
1981 \ProvidesPackage{fithesis/style/mu/fithesis-fi}[2016/04/18]

```

The file defines the color scheme of the respective faculty.

```

1982 \thesis@color@setup{
1983   links={HTML}{FFD451},
1984   tableEmph={HTML}{FFD451},
1985   tableOdd={HTML}{FFF9E5},
1986   tableEven={HTML}{FFECB3}}

```

The bibliography support is enabled. The numeric citations are used and the bibliography is sorted in citation order.

```

1987 \thesis@bibliography@setup{
1988   style=iso-numeric,
1989   sorting=none}
1990 \thesis@bibliography@load

```

---

<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)

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

```
1991 \ifx\thesis@type\thesis@bachelors\else
1992 \ifx\thesis@type\thesis@masters\else
1993 \thesis@blocks@assignment@false
1994 \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 strings:

- `advisorSignature` – The label of the advisor signature field typeset in the case of rigorous theses

```
1995 \def\thesis@blocks@titlePage@content{%
1996   {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}\vskip 0.8in
1997   {\thesis@titlePage@large\sc\thesis@{typeName}}\[\[0.3in]]
1998   {\thesis@titlePage@Large\bf\thesis@author}
1999   % If this is a rigorous thesis, typeset the name of the
2000   % thesis advisor.
2001   \ifx\thesis@type\thesis@rigorous
2002     {\thesis@titlePage@large\[\[0.3in]]
2003      {\bf\thesis@{advisorTitle}:} \thesis@advisor}
2004   \fi}%
2005 \def\thesis@blocks@titlePage@footer{%
2006   {\thesis@titlePage@large\thesis@place, \thesis@{semester}
2007   % If this is a rigorous thesis, create space for the advisor's
2008   % signature
2009   \ifx\thesis@type\thesis@rigorous
2010     \let\@A\relax\newlength{\@A}
2011     \settowidth{\@A}{\thesis@{advisorSignature}}
2012     \setlength{\@A}{\@A+1cm}
2013     \hfill\raisebox{-0.5em}{\parbox{\@A}{
2014       \centering
2015       \rule{\@A}{1pt}}\
2016       \thesis@{advisorSignature}
2017     }}
2018   \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.

```
2019 \def\thesis@blocks@declaration{%
2020   \thesis@blocks@clear
2021   \begin{alwaysingle}%
2022     \chapter*{\thesis@{declarationTitle}}%
2023     \thesis@declaration
2024     \vskip 2cm%
2025     \hfill\thesis@author
2026     \par\vfill\noindent
```



```

2027 \textbf{\thesis@{advisorTitle}:} \thesis@advisor
2028 \par\vfil
2029 \end{alwaysssingle}}

```

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

```

2030 \def\thesis@blocks@preamble{%
2031 \thesis@blocks@coverMatter
2032 \thesis@blocks@cover
2033 \thesis@blocks@titlePage
2034 \thesis@blocks@frontMatter
2035 \thesis@blocks@assignment
2036 \thesis@blocks@declaration
2037 \thesis@blocks@thanks
2038 \thesis@blocks@clearRight
2039 \thesis@blocks@abstract
2040 \thesis@blocks@keywords
2041 \thesis@blocks@tables}
2042 \def\thesis@blocks@postamble{%
2043 \thesis@blocks@bibliography}

```

### 3.5.4 The style files of the Faculty of Science

#### 3.5.4.1 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>.

```

2044 \NeedsTeXFormat{LaTeX2e}
2045 \ProvidesPackage{fithesis/style/mu/fithesis-sci}[2016/06/06]

```

The file defines the color scheme of the respective faculty.

```

2046 \thesis@color@setup{
2047 links={HTML}{20E366},
2048 tableEmph={HTML}{8EDEAA},
2049 tableOdd={HTML}{EDF7F1},
2050 tableEven={HTML}{CCEDD8}}

```

The bibliography support is enabled. The numeric citations are used and the bibliography is sorted in citation order.

```

2051 \thesis@bibliography@setup{
2052 style=iso-numeric,
2053 sorting=none}
2054 \thesis@bibliography@load

```

The file uses Czech locale strings within the macros.

```

2055 \thesis@requireLocale{czech}

```

The file loads the following packages:

---

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

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

```
2056 \thesis@require{tikz}
2057 \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.

```
2058 \ifx\thesis@type\thesis@bachelors\else
2059 \ifx\thesis@type\thesis@masters\else
2060 \thesis@blocks@assignment@false
2061 \fi\fi
```

Enable the inclusion of the scanned assignment inside the digital version of the document.

```
2062 \thesis@blocks@assignment@hideIfDigital@false
```

`\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
<code>\thesis@czech@bib@pages</code>	• <code>\thesis@czech@bib@pages</code> – The label of the number of pages entry
<code>\thesis@czech@bib@keywords</code>	• <code>\thesis@czech@bib@keywords</code> – The label of the keywords entry

```
2063 \def\thesis@blocks@bibEntry{%
2064   \begin{alwaysingle}%
2065   {% Start the new chapter without clearing the right page
2066     {\def\cleardoublepage{}}%
2067     \chapter*{\thesis@czech@bib@title}}%
2068   % Calculate the width of the columns
2069   \let\@A\relax\newlength{\@A}\settowidth{\@A}{%
2070     \bf\thesis@czech@bib@author:}}
2071   \let\@B\relax\newlength{\@B}\settowidth{\@B}{%
2072     \bf\thesis@czech@bib@thesisTitle:}}
2073   \let\@C\relax\newlength{\@C}\settowidth{\@C}{%
2074     \bf\thesis@czech@bib@programme:}}
2075   \let\@D\relax\newlength{\@D}\settowidth{\@D}{%

```

```

2076 \bf\thesis@czech@bib@field:}}
2077 % Unless this is a rigorous thesis, we will be typesetting the
2078 % name of the thesis advisor.
2079 \let\@E\relax\newlength{\@E}
2080 \ifx\thesis@type\thesis@rigorous
2081 \setlength{\@E}{0pt}%
2082 \else
2083 \settowidth{\@E}{\bf\thesis@czech@bib@advisor:}}
2084 \fi
2085 \let\@F\relax\newlength{\@F}\settowidth{\@F}{\%
2086 \bf\thesis@czech@bib@academicYear:}}
2087 \let\@G\relax\newlength{\@G}\settowidth{\@G}{\%
2088 \bf\thesis@czech@bib@pages:}}
2089 \let\@H\relax\newlength{\@H}\settowidth{\@H}{\%
2090 \bf\thesis@czech@bib@keywords:}}
2091 \let\@skip\relax\newlength{\@skip}\setlength{\@skip}{16pt}
2092 \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{\%
2093 max(\@A,\@B,\@C,\@D,\@E,\@F,\@G,\@H)}
2094 \let\@right\relax\newlength{\@right}\setlength{\@right}{\%
2095 \textwidth-\@left-\@skip}
2096 % Typeset the table
2097 \renewcommand{\arraystretch}{2}
2098 \noindent\begin{thesis@newtable@old}%
2099 {\@}p{\@left}{\hskip\@skip}p{\@right}{\@}}
2100 \textbf{\thesis@czech@bib@author:} &
2101 \noindent\parbox[t]{\@right}{
2102 \thesis@author\\
2103 \thesis@czech@facultyName,
2104 \thesis@czech@universityName\\
2105 \thesis@department@name
2106 }\\
2107 \textbf{\thesis@czech@bib@thesisTitle:}
2108 & \thesis@title \\
2109 \textbf{\thesis@czech@bib@programme:}
2110 & \thesis@programme \\
2111 \textbf{\thesis@czech@bib@field:}
2112 & \thesis@field@name \\
2113 % Unless this is a rigorous thesis, typeset the name of the
2114 % thesis advisor.
2115 \ifx\thesis@type\thesis@rigorous\else
2116 \textbf{\thesis@czech@bib@advisor:}
2117 & \thesis@advisor \\
2118 \fi
2119 \textbf{\thesis@czech@bib@academicYear:}
2120 & \thesis@academicYear \\
2121 \textbf{\thesis@czech@bib@pages:}
2122 & \thesis@pages \\
2123 \textbf{\thesis@czech@bib@keywords:}
2124 & \thesis@TeXkeywords \\
2125 \end{thesis@newtable@old}}

```

2126 \end{alwaysssingle}}

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

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

```

2127 \def\thesis@blocks@bibEntryEn{%
2128   {\thesis@selectLocale{english}
2129   \begin{alwaysssingle}
2130     % Start the new chapter without clearing the right page
2131     {\def\cleardoublepage{%
2132       \chapter*{\thesis@english@bib@title}}%
2133     {% Calculate the width of the columns
2134       \let\@A\relax\newlength{\@A}\settowidth{\@A}{%
2135         \bf\thesis@english@bib@author:}}
2136       \let\@B\relax\newlength{\@B}\settowidth{\@B}{%
2137         \bf\thesis@english@bib@thesisTitle:}}
2138       \let\@C\relax\newlength{\@C}\settowidth{\@C}{%
2139         \bf\thesis@english@bib@programme:}}
2140       \let\@D\relax\newlength{\@D}\settowidth{\@D}{%
2141         \bf\thesis@english@bib@field:}}
2142       % Unless this is a rigorous thesis, we will be typesetting
2143       % the name of the thesis advisor.
2144       \let\@E\relax\newlength{\@E}
2145       \ifx\thesis@type\thesis@rigorous
2146         \setlength{\@E}{0pt}%
2147       \else
2148         \settowidth{\@E}{\bf\thesis@english@bib@advisor:}}
2149       \fi
2150       \let\@F\relax\newlength{\@F}\settowidth{\@F}{%
2151         \bf\thesis@english@bib@academicYear:}}
2152       \let\@G\relax\newlength{\@G}\settowidth{\@G}{%
2153         \bf\thesis@english@bib@pages:}}
2154       \let\@H\relax\newlength{\@H}\settowidth{\@H}{%

```

```

2155 \bf\thesis@english@bib@keywords:}
2156 \let\@skip\relax\newlength{\@skip}\setlength{\@skip}{16pt}
2157 \let\@left\relax\newlength{\@left}\pgfmithsetlength{\@left}{%
2158   max(\@A,\@B,\@C,\@D,\@E,\@F,\@G,\@H)}
2159 \let\@right\relax\newlength{\@right}\setlength{\@right}{%
2160   \textwidth-\@left-\@skip}
2161 % Typeset the table
2162 \renewcommand{\arraystretch}{2}
2163 \noindent\begin{thesis@newtable@old}%
2164   {\@{p}\@left}{\hskip\@skip}p{\@right}{\@{}}
2165   \textbf{\thesis@english@bib@author:} &
2166   \noindent\parbox[t]{\@right}{
2167     \thesis@author\\
2168     \thesis@english@facultyName,
2169     \thesis@english@universityName\\
2170     \thesis@departmentEn@name
2171   }\\
2172   \textbf{\thesis@english@bib@thesisTitle:}
2173   & \thesis@titleEn \\
2174   \textbf{\thesis@english@bib@programme:}
2175   & \thesis@programmeEn \\
2176   \textbf{\thesis@english@bib@field:}
2177   & \thesis@fieldEn@name \\
2178   % Unless this is a rigorous thesis, typeset the name of the
2179   % thesis advisor.
2180   \ifx\thesis@type\thesis@rigorous\else
2181     \textbf{\thesis@english@bib@advisor:}
2182     & \thesis@advisor \\
2183   \fi
2184   \textbf{\thesis@english@bib@academicYear:}
2185   & \thesis@academicYear \\
2186   \textbf{\thesis@english@bib@pages:}
2187   & \thesis@pages \\
2188   \textbf{\thesis@english@bib@keywords:}
2189   & \thesis@TeXkeywordsEn \\
2190 \end{thesis@newtable@old}}
2191 \end{alwaysssingle}
2192 }}

```

`\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.

```

2193 \def\thesis@blocks@frontMatter{%
2194   \pagestyle{empty}
2195   \parindent 1.5em
2196   \setcounter{page}{1}
2197   \pagenumbering{roman}}

```

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

```

2198 \def\thesis@blocks@cover{%
2199   \ifthesis@cover@
2200     \thesis@blocks@clear
2201     \begin{alwaysssingle}
2202       \thispagestyle{empty}
2203       \begin{center}
2204         {\sc\thesis@titlePage@LARGE\thesis@czech@universityName\\%
2205           \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%
2206           \thesis@titlePage@large\thesis@department@name}
2207         \vfill
2208         {\bf\thesis@titlePage@Huge\thesis@czech@typeName}
2209         \vfill
2210         {\thesis@titlePage@large\thesis@place
2211           \ \thesis@year\hfill\thesis@author}
2212       \end{center}
2213     \end{alwaysssingle}
2214   \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.

```

2215 \def\thesis@blocks@titlePage{%
2216   \thesis@blocks@clear
2217   \begin{alwaysssingle}
2218     \thispagestyle{empty}
2219     % The top of the page
2220     \begin{adjustwidth}{-12mm}{ }
2221       \begin{minipage}{30mm}
2222         \thesis@blocks@universityLogo@color[width=30mm]
2223       \end{minipage}\begin{minipage}{89mm}
2224         \begin{center}
2225           {\sc\thesis@titlePage@LARGE\thesis@czech@universityName\\%
2226             \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%
2227             \thesis@titlePage@normalsize\thesis@department@name}
2228           \rule{\textwidth}{2pt}\vspace*{2mm}
2229         \end{center}
2230       \end{minipage}\begin{minipage}{30mm}
2231         \thesis@blocks@facultyLogo@color[width=30mm]
2232       \end{minipage}
2233     \end{adjustwidth}
2234     % The middle of the page
2235     \vfill
2236     \parbox\textwidth{% Prevent vfills from squashing the leading
2237       \bf\thesis@titlePage@Huge\thesis@TeXtitle}
2238     {\thesis@titlePage@Huge\\[0.8em]}
2239     {\thesis@titlePage@large\thesis@czech@typeName\\[1em]}
2240     {\bf\thesis@titlePage@LARGE\thesis@author\\}
2241     \vfill\noindent
2242     % The bottom of the page
2243     {\bf\thesis@titlePage@normalsize

```

```

2244 % Unless this is a rigorous thesis, typeset the name of the
2245 % thesis advisor.
2246 \ifx\thesis@type\thesis@rigorous\else
2247 \thesis@czech@advisorTitle: \thesis@advisor\hfill
2248 \fi
2249 \thesis@place\ \thesis@year}
2250 \end{alwaysssingle}}

```

`\thesis@blocks@declaration` The `\thesis@blocks@declaration` macro typesets the declaration text. Unlike the generic `\thesis@blocks@declaration` macro from the `style/mu/fithesis-sci.sty` file, this definition includes the date and a blank line for the author's signature, as per the requirements of the faculty.

Along with the macros required by the locale file interface, the locale files need to define the following macros:

`\thesis@czech@bib@title`

- `\thesis@czech@authorSignature` – The label of the author's signature field
- `\thesis@czech@formattedDate` – A formatted date

```

2251 \def\thesis@blocks@declaration{%
2252 \thesis@blocks@clear
2253 \begin{alwaysssingle}%
2254 \chapter*{\thesis@{declarationTitle}}%
2255 \thesis@declaration
2256 \vskip 2cm%
2257 {\let\@A\relax\newlength{\@A}
2258 \settowidth{\@A}{\thesis@{authorSignature}}
2259 \setlength{\@A}{\@A+1cm}
2260 \noindent\thesis@place, \thesis@czech@formattedDate\hfill
2261 \begin{minipage}[t]{\@A}%
2262 \centering\rule{\@A}{1pt}\\
2263 \thesis@{authorSignature}\par
2264 \end{minipage}}
2265 \end{alwaysssingle}}

```

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

```

2266 \def\thesis@blocks@preamble{%
2267 \thesis@selectLocale{czech}%
2268 \thesis@blocks@coverMatter
2269 \thesis@blocks@cover
2270 \thesis@blocks@frontMatter
2271 \thesis@blocks@titlePage
2272 \thesis@blocks@clearRight
2273 \thesis@blocks@bibEntry
2274 \thesis@blocks@bibEntryEn
2275 \thesis@blocks@abstract
2276 \thesis@blocks@abstractEn}
2277 \thesis@blocks@assignment

```

```

2278 {\thesis@selectLocale{czech}%
2279 \thesis@blocks@thanks
2280 \thesis@blocks@declaration
2281 \thesis@blocks@tables}}
2282 \def\thesis@blocks@postamble{%
2283 \thesis@blocks@bibliography}

```

### 3.5.5 The style files of the Faculty of Arts

#### 3.5.5.1 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>.

```

2284 \NeedsTeXFormat{LaTeX2e}
2285 \ProvidesPackage{fithesis/style/mu/fithesis-phil}[2016/04/18]

```

The file defines the color scheme of the respective faculty.

```

2286 \thesis@color@setup{
2287   links={HTML}{6FCEF2},
2288   tableEmph={HTML}{78CEF0},
2289   tableOdd={HTML}{EBF6FA},
2290   tableEven={HTML}{D0EBF5}}

```

The bibliography support is enabled. The numeric citations are used and the bibliography is sorted by name, title, and year.

```

2291 \thesis@bibliography@setup{
2292   style=iso-numeric,
2293   sorting=nty}
2294 \thesis@bibliography@load

```

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

```

2295 \thesis@blocks@titlePage@department@true
2296 \thesis@blocks@titlePage@field@true

```

The style file parses the value of the `\thesis@department` macro and recognizes the following divisions of the Faculty of Arts:

- kisk – The Division of Information and Library Studies<sup>4</sup> (KISK)

```

2297 \def\thesis@departments@kisk{kisk}

```

Along with the macros required by the locale file interface, the locale files need to define the following macros:

- departmentName – The human-readable name of the given recognized division.

<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://kisk.phil.muni.cz/cs/povinnosti>.



```

2298 \ifx\thesis@department\thesis@departments@kisk
2299 \def\thesis@department@name{\thesis@{departmentName}}
2300 \def\thesis@departmentEn@name{\thesis@english@departmentName}
2301 \fi

```

\thesis@blocks@titlePage In the case of a KISK thesis, the style file redefines the cover and title page footers to include the thesis advisor's name.

```

2302 \ifx\thesis@department\thesis@departments@kisk
2303 \def\thesis@blocks@titlePage@content{%
2304   {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}\vskip 0.8in
2305   {\thesis@titlePage@large\sc\thesis@{typeName}}\vskip 0.3in}
2306   {\thesis@titlePage@Large\bf\thesis@author}
2307   % If this is a KISK thesis, typeset the name of the thesis
2308   % advisor.
2309   \ifx\thesis@department\thesis@departments@kisk
2310     {\thesis@titlePage@large\vskip 0.3in}
2311     {\bf\thesis@{advisorTitle}:} \thesis@advisor}
2312   \fi}%
2313 \fi

```

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

```

2314 \def\thesis@blocks@preamble{%
2315   \thesis@blocks@coverMatter
2316   \thesis@blocks@cover
2317   \thesis@blocks@titlePage
2318   \thesis@blocks@frontMatter

```

In KISK theses, the bibliographical entry, the abstract, and the keywords will be included after the cover matter.

```

2319   \ifx\thesis@department\thesis@departments@kisk
2320     \thesis@blocks@bibEntry
2321     \thesis@blocks@abstract
2322     \thesis@blocks@abstractEn
2323     \thesis@blocks@keywords
2324     \thesis@blocks@keywordsEn
2325   \fi
2326   \thesis@blocks@declaration
2327   \thesis@blocks@thanks

```

In KISK theses, the lists of tables and figures will be included behind the bibliography rather than at the beginning of the document.

```

2328   \ifx\thesis@department\thesis@departments@kisk
2329     \thesis@blocks@toc
2330   \else
2331     \thesis@blocks@tables
2332   \fi}
2333 \def\thesis@blocks@postamble{%
2334   \ifx\thesis@department\thesis@departments@kisk

```

In KISK theses, the lists of tables and figures will be included behind the bibliography rather than at the beginning of the document.

```
2335 \thesis@blocks@lot
2336 \thesis@blocks@lof
2337 \fi
2338 \thesis@blocks@bibliography}
```

### 3.5.6 The style files of the Faculty of Education

#### 3.5.6.1 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 of the faculty<sup>5</sup>.

```
2339 \NeedsTeXFormat{LaTeX2e}
2340 \ProvidesPackage{fithesis/style/mu/fithesis-ped}[2016/04/18]
```

The file defines the color scheme of the respective faculty.

```
2341 \thesis@color@setup{
2342   links={HTML}{FFA02F},
2343   tableEmph={HTML}{FFBB6B},
2344   tableOdd={HTML}{FFF1E0},
2345   tableEven={HTML}{FFDEB7}}
```

The bibliography support is enabled. The numeric citations are used and the bibliography is sorted by name, title, and year.

```
2346 \thesis@bibliography@setup{
2347   style=iso-numeric,
2348   sorting=nty}
2349 \thesis@bibliography@load
```

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

```
2350 \thesis@blocks@titlePage@department@true
2351 \def\thesis@blocks@titlePage@content{%
2352   {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}\vskip 0.8in
2353   {\thesis@titlePage@large\sc\thesis@@{typeName}}\[\[0.3in]]}
2354   {\thesis@titlePage@Large\bf\thesis@author}
2355   % Typeset the name of the thesis advisor.
2356   {\thesis@titlePage@large\[\[0.3in]
2357     {\bf\thesis@@{advisorTitle}:} \thesis@advisor}}
```

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

```
2358 \def\thesis@blocks@preamble{%
2359   \thesis@blocks@coverMatter
2360   \thesis@blocks@cover
2361   \thesis@blocks@titlePage
```

<sup>5</sup>See [https://is.muni.cz/auth/do/ped/VPAN/pokdek/Pokyn\\_dekana\\_zaverecne\\_prace\\_finale\\_1\\_.pdf](https://is.muni.cz/auth/do/ped/VPAN/pokdek/Pokyn_dekana_zaverecne_prace_finale_1_.pdf)

```

2362 \thesis@blocks@frontMatter
2363 \thesis@blocks@bibEntry
2364 \thesis@blocks@abstract
2365 \thesis@blocks@abstractEn
2366 \thesis@blocks@keywords
2367 \thesis@blocks@keywordsEn
2368 \thesis@blocks@declaration
2369 \thesis@blocks@thanks
2370 \thesis@blocks@tables}
2371 \def\thesis@blocks@postamble{%
2372 \thesis@blocks@bibliography}

```

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

#### 3.5.7.1 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>6</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.

```

2373 \NeedsTeXFormat{LaTeX2e}
2374 \ProvidesPackage{fithesis/style/mu/fithesis-fss}[2016/04/18]

```

The file defines the color scheme of the respective faculty.

```

2375 \thesis@color@setup{
2376   links={HTML}{58EDD7},
2377   tableEmph={HTML}{69D6C6},
2378   tableOdd={HTML}{E3F1EE},
2379   tableEven={HTML}{C5E3DF}}

```

The bibliography support is enabled. The authoryear citations are used and the bibliography is sorted by name, title, and year.

```

2380 \thesis@bibliography@setup{
2381   style=iso-authoryear,
2382   sorting=nty}
2383 \thesis@bibliography@load

```

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

```

2384 \def\thesis@blocks@frontMatter{%
2385   \pagestyle{plain}
2386   \parindent 1.5em
2387   \setcounter{page}{1}

```

---

<sup>6</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>

```
2388 \pagenumbering{roman}}
```

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

```
2389 \def\thesis@blocks@preamble{%
2390   \thesis@blocks@coverMatter
2391   \thesis@blocks@cover
2392   \thesis@blocks@titlePage
2393   \thesis@blocks@frontMatter
2394   \thesis@blocks@clearRight
2395   \thesis@blocks@abstract
2396   \thesis@blocks@abstractEn
2397   \thesis@blocks@keywords
2398   \thesis@blocks@keywordsEn
2399   \thesis@blocks@assignment
2400   \thesis@blocks@declaration
2401   \thesis@blocks@thanks
2402   \thesis@blocks@tables}
2403 \def\thesis@blocks@postamble{%
2404   \thesis@blocks@bibliography}
```

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

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

This is the style file for the theses written at the Faculty of Law at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty<sup>7</sup>.

```
2405 \NeedsTeXFormat{LaTeX2e}
2406 \ProvidesPackage{fithesis/style/mu/fithesis-law}[2016/04/18]
```

The file defines the color scheme of the respective faculty.

```
2407 \thesis@color@setup{
2408   links={HTML}{CF86EB},
2409   tableEmph={HTML}{D39BE8},
2410   tableOdd={HTML}{F2EBF5},
2411   tableEven={HTML}{E5CCED}}
```

The bibliography support is enabled. The authoryear citations are used and the bibliography is sorted by name, year, and title.

```
2412 \thesis@bibliography@setup{%
2413   style=iso-authoryear,
2414   sorting=nyt}
2415 \thesis@bibliography@load
```

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 strings:

---

<sup>7</sup>See <http://is.muni.cz/do/law/ud/predp/smer/S-07-2012.pdf>

- `facultyLongName` – The name of the faculty combined with the name of the university.

```
2416 \def\thesis@blocks@cover@header{%
2417   {\sc\thesis@titlePage@Large\thesis@{facultyLongName}}\%
2418   \thesis@titlePage@large\thesis@department@name\\vskip 2em}}
2419 \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.

```
2420 \def\thesis@blocks@frontMatter{%
2421   \thesis@blocks@clear
2422   \pagestyle{plain}
2423   \parindent 1.5em
2424   \setcounter{page}{1}
2425   \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.

```
2426 \def\thesis@blocks@mainMatter{%
2427   \thesis@blocks@clear
2428   \pagestyle{thesisheadings}
2429   \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.

```
2430 \def\thesis@blocks@preamble{%
2431   \thesis@blocks@coverMatter
2432   \thesis@blocks@cover
2433   \thesis@blocks@titlePage
2434   \thesis@blocks@frontMatter
2435   \thesis@blocks@declaration
2436   \thesis@blocks@clearRight
2437   \thesis@blocks@abstract
2438   \thesis@blocks@abstractEn
2439   \thesis@blocks@keywords
2440   \thesis@blocks@keywordsEn
2441   \thesis@blocks@thanks
2442   \thesis@blocks@tables}
```

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

```
2443 \def\thesis@blocks@postamble{%
2444   \thesis@blocks@bibliography
2445   \thesis@blocks@assignment}
```

### 3.5.9 The style files of the Faculty of Economics and Administration

#### 3.5.9.1 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>8</sup>.

```
2446 \NeedsTeXFormat{LaTeX2e}
2447 \ProvidesPackage{fithesis/style/mu/fithesis-econ}[2016/04/18]
```

The file defines the color scheme of the respective faculty.

```
2448 \thesis@color@setup{
2449   links={HTML}{F27995},
2450   tableEmph={HTML}{E8B88B},
2451   tableOdd={HTML}{F5ECEB},
2452   tableEven={HTML}{EBD8D5}}
```

The bibliography support is enabled. The authoryear citations are used and the bibliography is sorted by name, title, and year.

```
2453 \thesis@bibliography@setup{
2454   style=iso-authoryear,
2455   sorting=nty}
2456 \thesis@bibliography@load
```

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.

```
2457 \thesis@require{tikz}
2458 \thesis@require{geometry}
2459 \geometry{top=25mm,bottom=20mm,left=25mm,right=25mm,includeheadfoot}
```

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

```
2460 \def\thesis@blocks@cover{%
2461   \ifthesis@cover@
2462     \thesis@blocks@clear
2463     \begin{alwaysingle}
2464       \thispagestyle{empty}
2465       \begin{center}
2466         {\sc\thesis@titlePage@LARGE\thesis@{universityName}}\%
2467         \thesis@titlePage@Large\thesis@{facultyName}}\%
2468         \vfill
2469         {\bf\thesis@titlePage@Huge\thesis@{typeName}}
2470         \vfill
```

---

<sup>8</sup>See <http://is.muni.cz/auth/do/econ/predpisy/smernice/prehled/45931363/Smernice2014-9.pdf>

```

2471      {\thesis@titlePage@large\thesis@place
2472       \ \thesis@year\hfill\thesis@author}
2473      \end{center}
2474      \end{alwaysingle}
2475      \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.

```

2476 \thesis@blocks@titlePage@field@true
2477 \def\thesis@blocks@titlePage@content{%
2478   {\thesis@titlePage@Huge\bf\thesis@TeXtitle}
2479   \ifthesis@english\else
2480     {\[0.1in]\thesis@titlePage@Large\bf\thesis@TeXtitleEn}
2481     \fi {\[0.3in]\thesis@titlePage@large\sc\thesis@{@{typeName}}\}}
2482 \def\thesis@blocks@titlePage@footer{%
2483   {\thesis@titlePage@large
2484     {% Calculate the width of the thesis author and advisor boxes
2485       \let\@A\relax\newlength{\@A}\settowidth{\@A}{\{
2486         \bf\thesis@{@{advisorTitle}}:}}
2487       \let\@B\relax\newlength{\@B}\settowidth{\@B}{\thesis@advisor}
2488       \let\@C\relax\newlength{\@C}\settowidth{\@C}{\{
2489         \bf\thesis@{@{authorTitle}}:}}
2490       \let\@D\relax\newlength{\@D}\settowidth{\@D}{\thesis@author}
2491       \let\@left\relax\newlength{\@left}\pgfmithsetlength{\@left}{%
2492         max(\@A,\@B)}
2493       \let\@right\relax\newlength{\@right}\pgfmithsetlength{\@right}{%
2494         max(\@C,\@D)}
2495       % Typeset the thesis author and advisor boxes
2496       \vskip 2in\begin{minipage}[t]{\@left}
2497         {\bf\thesis@{@{advisorTitle}}:}\thesis@advisor
2498       \end{minipage}\hfill\begin{minipage}[t]{\@right}
2499         {\bf\thesis@{@{authorTitle}}:}\thesis@author
2500       \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.

```

2501 \def\thesis@blocks@frontMatter{%
2502   \thesis@blocks@clear
2503   % In case of double-sided typesetting, change the geometry
2504   \ifthesis@twoside@
2505     \newgeometry{top=25mm,bottom=20mm,left=35mm,
2506       right=15mm, includeheadfoot}
2507   \fi\pagestyle{empty}
2508   \parindent 1.5em

```

```

2509 \setcounter{page}{1}
2510 \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.

```

2511 \def\thesis@blocks@mainMatter{%
2512   \thesis@blocks@clear
2513   % In case of double-sided typesetting, change the geometry
2514   \ifthesis@twoside@
2515     \newgeometry{top=25mm,bottom=20mm,left=35mm,
2516       right=15mm, includeheadfoot}
2517   \fi\pagestyle{thesisheadings}
2518   \parindent 1.5em\relax}

```

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

```

2519 \def\thesis@blocks@tables{%
2520   \thesis@blocks@lot
2521   \thesis@blocks@lof}

```

If the `nolot` and `nlof` 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.

```

2522 \ifx\thesis@blocks@lot\relax\else
2523   \def\thesis@blocks@lot{%
2524     \thesis@blocks@clear
2525     \phantomsection
2526     \addcontentsline{toc}{chapter}{\listtablename}%
2527     \listoftables}
2528 \fi
2529
2530 \ifx\thesis@blocks@lof\relax\else
2531   \def\thesis@blocks@lof{%
2532     \thesis@blocks@clear
2533     \phantomsection
2534     \addcontentsline{toc}{chapter}{\listfigurename}%
2535     \listoffigures}
2536 \fi

```

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

```

2537 \def\thesis@blocks@preamble{%
2538   \thesis@blocks@coverMatter
2539   \thesis@blocks@cover
2540   \thesis@blocks@frontMatter
2541   \thesis@blocks@titlePage
2542   \thesis@blocks@assignment
2543   \thesis@blocks@clearRight

```



```

2544 \thesis@blocks@abstract
2545 \thesis@blocks@abstractEn
2546 \thesis@blocks@keywords
2547 \thesis@blocks@keywordsEn
2548 \thesis@blocks@declaration
2549 \thesis@blocks@thanks
2550 \thesis@blocks@toc}

```

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

```

2551 \def\thesis@blocks@postamble{%
2552 \thesis@blocks@bibliography
2553 \thesis@blocks@tables}

```

### 3.5.10 The style files of the Faculty of Medicine

#### 3.5.10.1 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>9</sup>.

```

2554 \NeedsTeXFormat{LaTeX2e}
2555 \ProvidesPackage{fithesis/style/mu/fithesis-med}[2016/04/18]

```

The file defines the color scheme of the respective faculty.

```

2556 \thesis@color@setup{
2557 links={HTML}{F58E76},
2558 tableEmph={HTML}{FF9D85},
2559 tableOdd={HTML}{FFF5F6},
2560 tableEven={HTML}{FFDEDF}}

```

The bibliography support is enabled. The authoryear citations are used and the bibliography is sorted by year, name, and title.

```

2561 \thesis@bibliography@setup{%
2562 style=iso-authoryear,
2563 sorting=ynt}
2564 \thesis@bibliography@load

```

The file loads the following packages:

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

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

```

2565 \thesis@require{tikz}

```

---

<sup>9</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)

```

2566 \thesis@require{geometry}
2567 \thesis@require{setspace}
2568 \geometry{top=25mm,bottom=20mm,left=25mm,right=25mm,includeheadfoot}

```

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

```

2569 \def\thesis@blocks@cover{%
2570   \ifthesis@cover@
2571     \thesis@blocks@clear
2572     \begin{alwaysssingle}
2573       \thispagestyle{empty}
2574       \begin{center}
2575         {\sc\thesis@titlePage@LARGE\thesis@{universityName}}\\
2576         \thesis@titlePage@Large\thesis@{facultyName}\\
2577         \vfill
2578         {\bf\thesis@titlePage@Huge\thesis@{typeName}}
2579         \vfill
2580         {\thesis@titlePage@large\thesis@place
2581          \ \thesis@year\hfill\thesis@author}
2582       \end{center}
2583     \end{alwaysssingle}
2584   \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.

```

2585 \def\thesis@blocks@titlePage@content{%
2586   {\thesis@titlePage@Huge\bf\thesis@TeXtitle\\[0.3in]}%
2587   {\thesis@titlePage@large{\sc\thesis@{typeName}}\\}
2588 \def\thesis@blocks@titlePage@footer{%
2589   {\thesis@titlePage@large
2590     {% Calculate the width of the thesis author and advisor boxes
2591       \let\@A\relax\newlength{\@A}\settowidth{\@A}{\{
2592         \bf\thesis@{advisorTitle}:}}
2593       \let\@B\relax\newlength{\@B}\settowidth{\@B}{\thesis@advisor}
2594       \let\@C\relax\newlength{\@C}\settowidth{\@C}{\{
2595         \bf\thesis@{authorTitle}:}}
2596       \let\@D\relax\newlength{\@D}\settowidth{\@D}{\thesis@author}
2597       \let\@E\relax\newlength{\@E}\settowidth{\@E}{\{
2598         \bf\thesis@{fieldTitle}:}}
2599       \let\@F\relax\newlength{\@F}\settowidth{\@F}{\thesis@field@name}
2600       \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
2601         max(\@A,\@B)}
2602       \let\@right\relax\newlength{\@right}\pgfmathsetlength{\@right}{%
2603         max(\@C,\@D,\@E,\@F)}
2604       % Typeset the thesis author and advisor boxes
2605       \vskip 2in\begin{minipage}[t]{\@left}
2606         {\bf\thesis@{advisorTitle}:}\\thesis@advisor
2607       \end{minipage}\hfill\begin{minipage}[t]{\@right}

```

```

2608      {\bf\thesis@{authorTitle}:}\\\thesis@author
2609      \\\[1em]{\bf\thesis@{fieldTitle}:}\\\thesis@field{name
2610      \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.

```

2611 \def\thesis@blocks@frontMatter{%
2612   \thesis@blocks@clear
2613   % In case of double-sided typesetting, change the geometry
2614   \ifthesis@twoside@
2615     \newgeometry{top=25mm,bottom=20mm,left=35mm,
2616       right=15mm, includeheadfoot}
2617   \fi\pagestyle{empty}
2618   \parindent 1.5em
2619   \setcounter{page}{1}
2620   \pagenumbering{roman}}

```

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

```

2621 \def\thesis@blocks@mainMatter{%
2622   \thesis@blocks@clear
2623   % In case of double-sided typesetting, change the geometry
2624   \ifthesis@twoside@
2625     \newgeometry{top=25mm,bottom=20mm,left=35mm,
2626       right=15mm, includeheadfoot}
2627   \fi\setcounter{page}{1}
2628   \pagenumbering{arabic}
2629   \pagestyle{thesisheadings}
2630   \parindent 1.5em
2631   \onehalfspacing}

```

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

```

2632 \def\thesis@blocks@preamble{%
2633   \thesis@blocks@coverMatter
2634   \thesis@blocks@cover
2635   \thesis@blocks@frontMatter
2636   \thesis@blocks@titlePage
2637   \onehalfspacing
2638   \thesis@blocks@clearRight
2639   \thesis@blocks@abstract
2640   \thesis@blocks@abstractEn
2641   \thesis@blocks@keywords
2642   \thesis@blocks@keywordsEn
2643   \thesis@blocks@bibEntry
2644   \thesis@blocks@declaration
2645   \thesis@blocks@thanks

```

```

2646 \thesis@blocks@tables}
2647 \def\thesis@blocks@postamble{%
2648 \thesis@blocks@bibliography}

```

### 3.5.11 The style files of the Faculty of Sports Studies

#### 3.5.11.1 The style/mu/fithesis-fsps.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>10</sup>.

```

2649 \NeedsTeXFormat{LaTeX2e}
2650 \ProvidesPackage{fithesis/style/mu/fithesis-fsps}[2016/04/18]

```

The file defines the color scheme of the respective faculty.

```

2651 \thesis@color@setup{
2652   links={HTML}{93BCF5},
2653   tableEmph={HTML}{A8BDE3},
2654   tableOdd={HTML}{EBEFF5},
2655   tableEven={HTML}{D1DAEB}}

```

The bibliography support is enabled. The authoryear citations are used and the bibliography is sorted by name, title, and year.

```

2656 \thesis@bibliography@setup{
2657   style=iso-authoryear,
2658   sorting=nty}
2659 \thesis@bibliography@load

```

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

```

2660 \thesis@blocks@titlePage@field@true

```

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

```

2661 \def\thesis@blocks@preamble{%
2662 \thesis@blocks@coverMatter
2663 \thesis@blocks@cover
2664 \thesis@blocks@titlePage
2665 \thesis@blocks@frontMatter
2666 \thesis@blocks@declaration
2667 \thesis@blocks@thanks
2668 \thesis@blocks@tables}
2669 \def\thesis@blocks@postamble{%
2670 \thesis@blocks@bibliography}

```

---

<sup>10</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 . . . . .	1	v0.2.04	General: fix SK declaration [Peter Cerensky, JP] . . . . .	1
v0.0a	General: changes by Jan Pavlovič to allow fithesis being backend of docbook based system for thesis writing . . . . .	1	v0.2.05	General: add English abstract [JP] . .	1
v0.1	General: new release, documentation editing (CZ only, sorry) [PS] . . . . .	1	v0.2.06	General: fix : behind Advisor [JP] . .	1
v0.1a	General: minor documentation changes (CZ only, sorry) [PS] . . .	1	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] . .	1
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v0.1d	General: removed def schapter from fit1*.clo [JP] . . . . .	1	v0.2.10	General: fix EN name of Acknowledgement [JP] . . . . .	1
v0.1e	General: add Brno to MU title [JP] .	1	v0.2.11	General: fix missing fi-logo.mf [JP,PS] . . . . .	1
v0.1f	General: add documentation for hyperref [JP] . . . . .	1	v0.2.12	General: Licence change to the LPPL [JP] . . . . .	1
v0.1g	General: change of default size (12pt→11pt) [JP] . . . . .	1	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> . . . . .	1
v0.2.00	General: add sk lang [JP, Peter Cerensky] set default cls class to rapport3 [JP] . . . . .	1	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 typographic elements [VN] . . .	1
v0.2.01	General: add subsubsection to toc [JP] . . . . .	1	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,	
v0.2.02	General: fix encoding bug [JP] . . . .	1			
v0.2.03	General: fix title spacing [PS, JP] . . .	1			

	added PDF metadata stamping support [VN] . . . . .	1		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] . . . . .	1
v0.3.02	General: PDF metadata stamping added for \thesistitle and \thesisstudent [VN] . . . . .	1			
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] . . . . .	1	v0.3.07	General: Replaced the \thesiswoman command with \thesisgender. [VN] . . . . .	1
			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) . . . . .	1
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] . . . . .	1	v0.3.09	General: A complete refactoring of the class. The class was decomposed into a base class, locale files and style files. [VN] . . . . .	1
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) . . . . .	1	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] . . . . .	1
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		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.	

	<p><code>\thesis@subdir</code> is now robust against relative paths. Accounted for French spacing in the guide. Fixed the <code>\thesis@english@facultyName</code> string. Documentation refinements. [VN] ..... 1</p>	
v0.3.12	<p>General: The subsections and subsubsections now use the correct <code>tocdepth</code>. [VN] ..... 1</p>	
v0.3.13	<p>General: Fixed an inconsistency in the example code. Removed an extraneous <code>\thesis@blocks@clear</code> block withing the definition of <code>\thesis@blocks@frontMatter</code> in the <code>fss</code> 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 <code>med</code> and <code>ped</code> style files. Fixed a typo within the technical documentation. Fixed the twoside alignment of the <code>\thesis@blocks@bibEntry</code> and the <code>\thesis@blocks@bibEntryEn</code> blocks within the <code>sci</code> style file. The <code>\thesis@blocks@assignment</code> 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 <code>\ifthesis@blocks@assignment</code> conditional can be set either by the subsequently loaded style files or by the user. So far, only the <code>fi</code> and <code>sci</code> style files set the conditional. [VN] ..... 1</p>	
v0.3.14	<p>General: Updated the documentation. [VN] ..... 1</p>	
		v0.3.15
		<p>General: Renamed <code>\thesis@requireStyle</code> to <code>\thesis@requireWithOptions</code> and moved the style loader from the <code>\thesis@load</code> routine to a new <code>\thesis@requireStyle</code> macro to make the semantics of <code>\thesis@requireLocale</code> and <code>\thesis@requireStyle</code> more similar. Changed the <code>basepath</code>, <code>logopath</code>, <code>localepath</code> and <code>stylepath</code> keys to match the lower camelcasing of the rest of the keys. Added further description regarding the use of the assignment key. [VN] ..... 1</p>
		v0.3.16
		<p>General: Clubs and widows are now set to be infinitely bad. The assignment key has weaker, but more robust semantics now. [VN] ..... 1</p>
		v0.3.17
		<p>General: Changed a forgotten <code>\thesis@lower{...}</code> invocation in the definition of <code>\thesis@czech@declaration</code> for the Faculty of Arts into <code>\thesis@lower{czech@...}</code>, 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] .. 1</p>
		v0.3.18
		<p>General: A bulk of changes required to submit the document class to CTAN: Changed the structure of the output <code>fithesis3.ctan.zip</code> archive. Updated the license notice. Added a README file. Canonicalized a url within the</p>

	user guides. Renamed the root directory from <code>fithesis3/</code> to <code>fithesis/</code> . Refactored the <code>makefiles</code> . Added developer example files. Renamed <code>docstrip.cfg</code> to <code>LICENSE.tex</code> to better describe its role. The <code>fithesis.dtx</code> file now generates a <code>VERSION.tex</code> file containing the version of the package, when it's being typeset. Flattened the <code>logo/</code> directory structure. [VN] . . . . . 1	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] . . . . . 1
v0.3.19	General: Updated the license. Added the <code>fithesis-</code> prefix to locale files. Proof-read and updated the documentation. Encapsulated the <code>localeInheritance</code> and <code>styleInheritance</code> setters. Added the <code>\thesis@selectLocale{...}</code> , which acts as a replacement for <code>\def\thesis@locale{...}</code> , 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 <code>\thesis@selectLocale</code> . The class files are now generated using the XeTeX engine, which preserves the characters outside ASCII. [VN] . . . . . 1	v0.3.23 General: Fixed a typo in the Slovak locale. [VN] . . . . . 1
v0.3.20	General: Removed an extraneous <code>\hypersetup</code> option to eliminate a warning. Performed several minor Makefile updates. Updated the technical documentation. [VN] . . . . . 1	v0.3.24 General: Added the <code>\thesis@backend</code> tunable. The hyphenation pattern switching now uses <code>polyglossia</code> instead of crude <code>\language</code> switching whenever possible. Added the opt-out microtype class option, which loads the microtypographic extension. The <code>\thesis@locale@summer</code> and <code>@winter</code> locale macros were renamed to <code>@spring</code> and <code>@fall</code> . The <code>\thesis@parseDate</code> now uses more realistic month ranges to set <code>\thesis@season</code> and <code>\thesis@academicYear</code> . Removed the extraneous indent in the <code>\thesis@blocks@declaration</code> macro definition within the <code>style/mu/fithesis-fi.sty</code> style file. <code>\paragraphs</code> are not included in the table of contents by default. The <code>table</code> class option now supports the <code>tabu</code> environment. The list of tables and the list of figures now have an entry in the table of contents for the <code>style/mu/fithesis-econ.sty</code> style file. [VN] . . . . . 1
v0.3.21	General: Fixed an invalid font name. [VN] . . . . . 1	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] . . 1
v0.3.22	General: Updated the link colors in	

v0.3.26	General: Updated the example documents and the user guide. Fixed a typo in the description of <code>\thesis@season</code> . [VN] . . . . . 1	now uses the correct idiom (by one's own → on one's own). [VN] . . . . . 1
v0.3.27:1	General: Fixed a typo in the guide. Added a compatibility layer for <code>\title</code> , <code>\author</code> , and <code>\maketitle</code> . Minor changes of the documentation. [VN] . . . . . 1	v0.3.27:5 General: The PDF bookmarks are no longer garbled, when the LuaTeX engine is used. [VN] . . . 1
v0.3.27:2	General: <code>\thesis@selectLocale</code> is no longer performed globally for the entire document during <code>\thesis@load</code> (effectively overriding the user's hyphenation settings, if Babel's or Polyglossia's <code>\language</code> differs from <code>\thesis@locale</code> ). Instead, <code>\thesis@preamble</code> and <code>@postamble</code> now locally switch the locale and expand <code>\thesis@blocks@preamble</code> and <code>@postamble</code> , which are the new redefinables. Since this breaks the behaviour of <code>\thesis@blocks@mainMatter</code> , whose effects would also be local, <code>@mainMatter</code> is now executed directly by <code>\thesis@preamble</code> after closing the group and becomes a new part of the interface between the class and the style files. [VN] . . . . . 1	v0.3.28:1 General: The draft option has no longer an effect on the microtype package. The <code>\thesis@require</code> command now also takes an optional argument and the <code>\thesis@requireWithOptions</code> command has become <code>\thesis@requireIfExists</code> . [VN] . . . . . 1
v0.3.27:3	General: As a preparation for the future inclusion of bibliography support, the <code>csquotes</code> package is loaded, <code>@csquotesStyle</code> is a new part of the locale interface that sets the <code>csquotes</code> style of a locale, and <code>\thesis@selectLocale</code> now switches the <code>csquotes</code> style. [VN] . . . . . 1	v0.3.28:2 General: If the thesis locale and the document locale is the same (the default behaviour), the <code>\thesis@selectLocale</code> macro is applied globally at the beginning of the document. As a result, the <code>csquotes</code> style is automatically set for the entire document. [VN] . . . . . 1
v0.3.27:4	General: <code>\thesis@english@declaration</code>	v0.3.29:1 General: The initial pages of the styles of the Masaryk University in Brno are no longer page-numbered, so that <code>hyperref</code> links work correctly. [VN] . . . . . 1
		v0.3.29:2 General: The printed and digital class options, which set all the options appropriate for either the printed or the digital versions of a document, are now available for the style files of the Masaryk University in Brno. [VN] . . . . . 1
		v0.3.29:3 General: The table class option for the style files of the Masaryk University in Brno now loads all the required packages and changes the table

measurements even when the color option is not specified. [VN] . . . . .	1	Administration and the Faculty of Medicine at the Masaryk University in Brno. [VN] . . . . .	1
v0.3.30		v0.3.33	
General: The <code>\thesis@seasonYear</code> macro has been added, which, unlike <code>\thesis@year</code> takes into account the fact that January and February of the year $n$ still belong to the fall semester of the year $n - 1$ . [VN] . . . . .	1	General: Added <code>\thesis@patch</code> . [VN] . . . . .	1
v0.3.31:1		v0.3.34	
General: The redefinitions of <code>\appendix</code> from the <code>style/mu/fithesis-1*.clo</code> files, which broke <code>hyperref</code> links to appendices, were removed. [VN] . . . . .	1	General: Added visual tests of output PDFs. The test/directory is now also uses the <code>university/faculty</code> path scheme employed by the rest of the package. [VN] . . . . .	1
v0.3.31:2		v0.3.35:1	
General: All trailing <code>%</code> s were removed. Some of the inherited <code>fithesis2</code> code in the <code>style/mu/fithesis-1*.clo</code> and <code>style/mu/fithesis-base.sty</code> files was refactored and reformatted. Alternative templates for the Faculty of Science at the Masaryk University in Brno are now mentioned in the respective user guide. [VN] . . . . .	1	General: Added support for the Division of Information and Library Studies of the Faculty of Arts at the Masaryk University in Brno. This support is enabled by specifying <code>\thesis@department</code> to be <code>kisk</code> . [VN] . . . . .	1
v0.3.31:3		v0.3.35:2	
General: The <code>style/mu/fithesis-sci.sty</code> style file redefines <code>\thesis@blocks@declaration</code> to include a formatted date and an author's signature field. The <code>locale</code> file <code>style/mu/sci/czech.def</code> contains a new string <code>\thesis@czech@formattedDate</code> . [VN] . . . . .	1	General: Added support for seminar papers on the <code>fithesis3</code> class level. The style files for the faculties of the Masaryk University in Brno do not provide any special handling of this thesis type yet. [VN] . . . . .	1
v0.3.32		v0.3.35:3	
General: Fixed a regression from v0.3.27:2 – The margins in <code>\thesis@blocks@mainMatter</code> were corrected in the style files of the Faculty of Economics and		General: Fixed <code>\l@locale</code> being possibly undefined in a LuaLaTeX run. [VN] . . . . .	1
		v0.3.36	
		General: The <code>\thesis@load</code> macro has been lifted to the public API as <code>\thesisload</code> . [VN] . . . . .	1
		v0.3.37	
		General: The <code>\tableofcontents</code> in the style files of the Masaryk University in Brno now correctly handles all <code>tocdepth</code> values. The expansion of <code>\part</code> also no longer results in a <code>hyperref</code> -related error in the style files of the Masaryk University in Brno. [VN] . . . . .	1
		v0.3.38:1	
		General: The <code>bib</code> key was added on	

the fithesis3 class level and is supported by the style files of the Masaryk University in Brno. [VN] .....	1	and takes into account the digital and printed class options in the style files of the Masaryk University in Brno. [VN] .....	1
v0.3.38:2		v0.3.40	
General: Fixed \thesis@pages not taking \thesis@postamble into account. Fixed the chapter number being printed regardless of secnumdepth by the style files of the Masaryk University in Brno. Fixed \thesis@blocks@assignment being typeset in Czech only by the style file of the Faculty of Science at the Masaryk University in Brno. [VN] .....	1	General: Fixed \thesis@pages not working properly when the autoLayout key is set to false. Added a section on the markdown package to the example documents of the Masaryk University in Brno. Added the \ifthesis@blocks@assignment@hideIfDigital@ conditional to the style/mu/fithesis-base.sty style file. [VN] .....	1
v0.3.39:1		v0.3.41	
General: The \thesis@blocks@bibliography now uses an emergency stretch of 3 em in the style files of the Masaryk University in Brno. [VN] .....	1	General: Removed the arbitrary limitation of \thesissetup, which prevented it from accepting multi-paragraph values. The \thesislong macro is therefore no longer necessary, but kept around for backwards compatibility. [VN] .....	1
v0.3.39:2			
General: The assignment key no longer affects the page numbers			