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

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Abstract

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

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1 Required classes and packages

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

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

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

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

2 Public API

2.1 Options

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

2.2 The \thesissetup macro

 \t

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

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

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

2.2.1 The basepath key

\thesis@basepath

The $\{\langle basepath=path \rangle\}$ pair sets the path containing the class files. The path is prepended to every other path (\thesis@logopath, \thesis@stylepath and \thesis@localepath) used by the class. If non-empty, the path gets normalized to path/. The normalized path is stored within the private \thesis@basepath macro, whose implicit value is fithesis3/.

```
12 \def\thesis@basepath{fithesis3/}
13 \define@key{thesis}{basepath}{%
   \ifx\thesis@empty#1\thesis@empty%
      \def\thesis@basepath{}%
15
16 \else%
     \def\thesis@basepath{#1/}%
17
18 \fi}
```

\thesis@logopath 2.2.2 The logopath key

The $\{\langle logopath = path \rangle\}$ pair sets the path containing the logo files, which is used by the style files loading the logo. The path is normalized using the private \thesis@subdir macro and stored within the private \thesis@logopath macro, $whose implicit value is \verb|\thesis@basepath| followed by logo/\thesis@university/.$ By default, this expands to fithesis3/logo/mu/.

```
19 \def\thesis@logopath{\thesis@basepath logo/\thesis@university/}
20 \define@key{thesis}{logopath}{%
21 \def\thesis@logopath{\thesis@subdir#1%
22
      \empty\empty\empty}}
```

\thesis@subdir

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

```
23 \def\thesis@subdir#1#2#3#4\empty{%
24 \ifx#1\empty%
                            <empty> -> <basepath>
     \thesis@basepath
25
   \else
26
      \if#1/%
27
        \ifx#2\empty%
                                   / -> /
          /%
29
        \else%
                            /<path> -> /<path>/
30
          #1#2#3#4/%
31
        \fi
32
33
      \else%
        \if#1.%
34
          \ifx#2\empty%
                                   . -> ./
35
36
```

```
\else
37
             \if#2.%
38
               \ifx#3\empty%
                                    .. -> ../
39
                  ../%
40
               \else
41
42
                 \if#3/%
                             ../<path> -> ../<path>/
43
                    ../#4/%
                 \else
44
                    \thesis@basepath#1#2#3#4/%
45
                 \fi
46
               \fi
47
48
             \else
               \if#2/%
49
                              ./<path> -> ./<path>/
                  ./#3#4/%
50
               \else
51
                 \thesis@basepath#1#2#3#4/%
52
               \fi
53
             \fi
54
           \fi
55
56
           \thesis@basepath#1#2#3#4/%
57
         \fi
58
      \fi%
59
    \fi}
60
```

\thesis@stylepath 2.2.3 The stylepath key

The $\{\langle stylepath=path\rangle\}$ pair sets the path containing the style files. The path is normalized using the private \thesis@subdir macro and stored within the private \thesis@stylepath macro, whose implicit value is \thesis@basepath style/. By default, this expands to fithesis3/style/.

```
61\def\thesis@stylepath{\thesis@basepath style/}
62\define@key{thesis}{stylepath}{%
63 \def\thesis@stylepath{\thesis@subdir#1%
64 \empty\empty\empty}}
```

\thesis@localepath 2.2.4 The localepath key

The $\{\langle localepath=path\rangle\}$ pair sets the path containing the locale files. The path is normalized using the private \thesis@subdir macro and stored within the private \thesis@localepath macro, whose implicit value is \thesis@basepath followed by locale/. By default, this expands to fithesis3/locale/.

```
65\def\thesis@localepath{\thesis@basepath locale/}
66\define@key{thesis}{localepath}{%
67 \def\thesis@localepath{\thesis@subdir#1%
68 \empty\empty\empty\empty}}
```

\thesis@def

The $\t \$ private macro defines the private $\t \$ private macro defines the private $\t \$ macro to expand to either «key», if specified, or to «name». The macro serves to provide the placeholder string for user-defined macros with no default value.

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

\thesis@declaration 2.2.5 The declaration key

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

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

\ifthesis@woman 2.2.6 The gender key

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

```
75 \newif\ifthesis@woman\thesis@womanfalse
76 \define@key{thesis}{gender}{%
   \def\thesis@male{m}%
   \def\thesis@arg{#1}%
79 \ifx\thesis@male\thesis@arg%
     \thesis@womanfalse%
81 \else%
     \thesis@womantrue%
82
83 \fi}
```

\thesis@author 2.2.7 The author key

\thesis@parseAuthor

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

\thesis@author

• \thesis@author - The full name of the author.

\thesis@author@head

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

\thesis@author@tail

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

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

\thesis@id 2.2.8 The id key

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

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

\thesis@type 2.2.9 The type key

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

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

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

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

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

\thesis@university 2.2.10 The university key

The $\{\langle university=id \rangle\}$ pair sets the identifier of the university, at which the thesis is being written, to id. The id is stored within the private \thesis@university macro, whose implicit value is mu. The \thesis@university macro is used by the \thesis@logopath macro and when loading the style and locale files using the \thesis@load macro. It allows for the usage of the class at universities other than the Masaryk University in Brno without the need to alter the code.

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

\thesis@faculty 2.2.11 The faculty key

The {\(\faculty=domain\)\)} pair sets the faculty, at which the thesis is being written, to domain. The following domain names are recognized:

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

The domain name is stored within the private \thesis@faculty macro, whose implicit value is fi.

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

\thesis@department 2.2.12 The department key

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

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

\thesis@departmentEn 2.2.13 The departmentEn key

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

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

\thesis@programme 2.2.14 The programme key

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

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

\thesis@programmeEn 2.2.15 The programmeEn key

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

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

\thesis@field 2.2.16 The field key

The {\field=name\} pair sets the name of the author's field of stufy to name. The *name* is stored within the private \thesis@field macro.

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

\thesis@fieldEn 2.2.17 The fieldEn key

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

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

\thesis@universityLogo 2.2.18 The universityLogo key

The {\universityLogo=filename\)} pair sets the filename of the logo file to be used to filename. The filename is stored within the private \thesis@universityLogo macro, whose implicit value is base. The logo file is loaded from the \thesis@logopath \thesis@logo path.

```
128 \def\thesis@universityLogo{base}
129 \define@key{thesis}{universityLogo}{%
130 \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 to filename. The filename is stored within the private \thesis@facultyLogo macro, whose implicit value is \thesis@faculty. The logo file is loaded from the \thesis@logopath\thesis@logo path.

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

\thesis@style 2.2.20 The style key

The {\style=filename\} pair sets the filename of the style file to be used to filename. The filename is stored within the private \thesis@style macro, whose implicit value is \thesis@university/fithesis3-\thesis@faculty. The style file is loaded from the \thesis@stylepath\thesis@style path.

```
134 \def\thesis@style{\thesis@university/fithesis3-\thesis@faculty}
135 \define@key{thesis}{style}{%
136 \def\thesis@style{#1}}
```

\thesis@style@inheritance 2.2.21 The styleInheritance key

The $\{\langle styleInheritance=bool \rangle\}$ pair either enables, if bool is true or unspecified, or disables the inheritance for style files. The effects of the inheritance are documented within the subsection documenting the \thesis@load macro. The setting can be tested using the \ifthesis@style@inheritance ...\else ...\fi conditional. Inheritance is enabled for style files by default.

```
137 \newif\ifthesis@style@inheritance\thesis@style@inheritancetrue
138 \define@key{thesis}{styleInheritance}[true]{%
139
    \def\@true{true}%
    \def\@arg{#1}%
140
    \ifx\@true\@arg%
141
     \thesis@style@inheritancetrue%
142
143
      \thesis@style@inheritancefalse%
145 \fi}
```

\thesis@locale 2.2.22 The locale key

The $\{\langle locale=filename \rangle\}$ pair sets the filename of the locale file(s) to be used to filename. The filename is stored within the private \thesis@locale macro, whose implicit value is the main language of either the babel or the polyglossia package, or english, when undefined. If the inheritance is disabled for locale files, the locale file is loaded from the \thesis@localepath\thesis@locale path.

\ifthesis@english

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

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

\thesis@locale@inheritance

2.2.23 The localeInheritance key

The {\land localeInheritance=bool\} pair either enables, if bool is true or unspecified, or disables the inheritance. The effects of the inheritance are documented within the subsection documenting the \thesis@load macro. The setting can be tested using the \ifthesis@locale@inheritance...\else...\fi conditional. Inheritance is enabled for locale files by default.

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

2.2.24 The date key

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

\thesis@parseDate

- \thesis@date The whole date
- \thesis@year

\thesis@date

- \thesis@year The year
- \thesis@month
- \thesis@month The month
- \thesis@day
- \thesis@day The day of month

\thesis@season

- \thesis@season Expands to either:
 - winter if MM < 7.
 - summer if $MM \geq 7$.

\thesis@academicYear

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

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

```
173 \def\thesis@parseDate#1/#2/#3|{{
174 % Basic info
    \gdef\thesis@date{#1/#2/#3}%
    \gdef\thesis@year{#1}%
    \gdef\thesis@month{#2}%
177
    \gdef\thesis@day{#3}%
178
179
    % Season and academic year
180
    \newcount\@year \expandafter\@year \thesis@year \relax%
    \newcount\@month\expandafter\@month\thesis@month\relax%
    \ifnum\@month<7%
183
       \gdef\thesis@season{winter}%
184
      \advance\@year-1\edef\@yearA{\the\@year}%
185
      \advance\@year 1\edef\@yearB{\the\@year}%
186
    \else%
187
188
      \gdef\thesis@season{summer}%
189
                       \edef\@yearA{\the\@year}%
      \advance\@year 1\edef\@yearB{\the\@year}%
190
191
    \global\edef\thesis@academicYear{\@yearA/\@yearB}}}
192
194 \edf\thesis@date{\the\year/\the\month/\the\day}\%
195 \expandafter\thesis@parseDate\thesis@date|%
```

```
196
197 \define@key{thesis}{date}{{%
198  \edef\@date{#1}%
199  \expandafter\thesis@parseDate\@date|}}
```

\thesis@place 2.2.25 The place key

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

```
200 \def\thesis@place{Brno}
201 \define@key{thesis}{place}{%
202 \def\thesis@place{#1}}
```

\thesis@title 2.2.26 The title key

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

```
203 \thesis@def{title}
204 \define@key{thesis}{title}{%
205 \def\thesis@title{#1}}
```

\thesis@TeXtitle 2.2.27 The TeXtitle key

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

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

\thesis@titleEn 2.2.28 The titleEn key

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

```
209\thesis@def{titleEn}
210\define@key{thesis}{titleEn}{%
211 \def\thesis@titleEn{#1}}
```

\thesis@TeXtitleEn 2.2.29 The TeXtitleEn key

The {\(\text{TeXtitleEn} = title\)\)} pair sets the English TeX title of the thesis to title. The title is used, when typesetting the title, whereas \thesis@titleEn is a plain text. The title is stored within the private \thesis@TeXtitleEn macro, whose implicit value is \thesis@titleEn.

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

\thesis@keywords 2.2.30 The keywords key

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

```
215 \thesis@def{keywords}
216 \define@key{thesis}{keywords}{%
217 \def\thesis@keywords{#1}}
```

\thesis@TeXkeywords 2.2.31 The TeXkeywords key

The $\{\langle TeXkeywords=list \rangle\}$ pair sets the TeX keywords of the thesis to the commadelimited *list*. The *list* is used, when typesetting the keywords, whereas \thesis@keywords is a plain text. The *list* is stored within the private \thesis@TeXkeywords macro.

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

\thesis@keywordsEn 2.2.32 The keywordsEn key

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

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

\thesis@TeXkeywordsEn 2.2.33 The TeXkeywordsEn key

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

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

\thesis@abstract 2.2.34 The abstract key

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

```
227 \thesis@def{abstract}
228 \long\def\KV@thesis@abstract#1{%
229 \long\def\thesis@abstract{#1}}
```

\thesis@abstractEn 2.2.35 The abstractEn key

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

```
230 \thesis@def{abstractEn}
231 \long\def\KV@thesis@abstractEn#1{%
232 \long\def\thesis@abstractEn{#1}}
```

\thesis@advisor 2.2.36 The advisor key

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

```
233 \thesis@def{advisor}
234 \define@key{thesis}{advisor}{\def\thesis@advisor{#1}}
```

\thesis@thanks 2.2.37 The thanks key

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

```
235 \long\def\KV@thesis@thanks#1{%
236 \long\def\thesis@thanks{#1}}
```

\thesis@assignmentFiles 2.2.38 The assignment key

The $\{\langle assignment=list \rangle\}$ pair sets the comma-separated list of paths (and optional page spec specifiers, see the pdfpages package \includepdfmerge command documentation) to the pdf files containing the thesis assignment to list. The list is stored within the \thesis@assignmentFiles private macro. When defined, the PDF files are injected into the resulting document instead of the placeholder \thesis@@{assignment} string.

```
237 \define@key{thesis}{assignment}{%
238 \def\thesis@assignmentFiles{#1}}
```

\ifthesis@auto 2.2.39 The autoLayout key

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

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

\thesis@preamble \thesis@postamble

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

```
248 \def\thesis@preamble{}
249 \def\thesis@postamble{}
```

2.3 The \thesislong macro

\thesislong

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

- abstract
- abstractEn
- thanks
- declaration

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

3 Private API

3.1 Main routine

thesis@load

\ifthesis@loaded

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

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

First, the main locale file is loaded using the \thesis@requireLocale macro.

Consequently, the style files are loaded with the class options passed onto them. If inheritance is enabled for style files, then each of the following files is loaded in sequence, if they exist:

- 1. \thesis@stylepath fithesis3-base.sty
- 2. \thesis@stylepath\thesis@university/fithesis3-base.sty
- 3. \thesis@stylepath\thesis@style.sty

If inheritance is disabled for style files, then only the \thesis@stylepath\thesis@style.sty file is loaded. The fithesis3- prefix serves to prevent package clashes with other similarly named package files within the TeX directory structure.

```
260 \ifthesis@style@inheritance
261 \thesis@requireStyle{\thesis@stylepath fithesis3-base}
262 \thesis@requireStyle{\thesis@stylepath\thesis@university%
263 \fi
264 \fi
265 \thesis@requireStyle{\thesis@stylepath\thesis@style}
```

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

- Title is set to \thesis@title.
- Author is set to \thesis@author.
- Keywords is set to \thesis@keywords.
- Creator is set to 2015/05/09 v0.3.10 fithesis3 MU thesis class.

```
266 \thesis@require{hyperref}%
267 {\hypersetup{unicode,
268 pdftitle={\thesis@title},%
269 pdfauthor={\thesis@author},%
270 pdfkeywords={\thesis@keywords},%
271 pdfcreator={\thesis@version},%
272 }}%
```

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.

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

\thesis@pages

Lastly, a BibTeX file named \jobname.bib containing the bibliographical entry for the thesis is scheduled to be generated at the end of the document in the working directory using the \thesis@bibgen macro and the \thesis@pages private macro definition containing the length of the document is scheduled to be included in the auxiliary file.

3.2 File manipulation macros

\thesis@exists

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

```
283 \def\thesis@input#1{%
284 \thesis@exists{#1}{\input{#1}}}
```

\thesis@input

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

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

\thesis@require

The \thesis@require { $\langle package \rangle$ } expands to \RequirePackage{ $\langle package \rangle$ }, if the specified package has not yet been loaded. This generally serves to prevents options clashes, when the options with which the package had been loaded are of no consequence.

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

\thesis@requireStyle

The \thesis@requireStyle{ $\langle package \rangle$ } expands to \RequirePackageWithOptions{ $\langle package \rangle$ }, if the specified package exists and has not yet been loaded. This generally serves to load style files.

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

\thesis@requireLocale

The \thesis@requireLocale{ $\langle locale \rangle$ } private macro loads locale files of the specified *locale*, if they haven't been loaded before. If inheritance is enabled for locale files, then the following directories are used:

- 1. \thesis@localepath
- \thesis@localepath\thesis@university/
- 3. \thesis@localepath\thesis@university/\thesis@faculty/

If inheritance is disabled for locale files, then only the \thesis@localepath directory is used. The macro can be used within both locale and style files, although the usage within locale files is strongly discouraged to prevent circular dependencies.

```
292 \def\thesis@requireLocale#1{%
293 % Prevent redundant entries
    \expandafter\ifx\csname thesis@#1@required\endcsname\relax%
294
      \expandafter\def\csname thesis@#1@required\endcsname{}%
295
         \thesis@input{\thesis@localepath#1.def}
296
        \ifthesis@locale@inheritance%
297
           \thesis@input{\thesis@localepath\thesis@university/#1.def}%
298
           \thesis@input{\thesis@localepath\thesis@university/%
299
             \thesis@faculty/#1.def}%
300
        \fi%
301
    \fi}
302
```

3.3 String manipulation macros

\thesis@

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

303 \def\thesis@#1{\csname thesis@#1\endcsname}

\thesis@@

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

```
304 \ensuremath{$04\ thesis@locale @#1}}
```

\thesis@lower
\thesis@upper

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

```
305 \def\thesis@lower#1{{%
306 \let\ea\expandafter%
 307
 308
310 sis@#1\endcsname\endcsname}}
311 \def\thesis@upper#1{{%
312 \let\ea\expandafter%
313
 314
 \ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\string\ea\csname\csname the%
 sis@#1\endcsname\endcsname}}
```

\thesis@@lower
\thesis@@upper

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

```
317\def\thesis@lower#1{\thesis@lower{\thesis@locale @#1}}
318\def\thesis@upper#1{\thesis@upper{\thesis@locale @#1}}
```

\thesis@head
\thesis@tail

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

```
319 \def\thesis@head#1 #2{%
    \ifx\relax#2%
      \expandafter\@gobbletwo%
321
    \else%
322
323
     \ #1%
    \fi%
324
    \thesis@head#2}%
326 \def\thesis@tail#1 #2{%
    \ifx\relax#2%
328
      #1%
329
      \expandafter\@gobbletwo%
330
    \fi%
    \thesis@tail#2}%
```

3.4 General purpose macros

\thesis@pages

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

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

3.5 Locale files

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

When creating a new locale file, it is advisable to create one self-contained dtx file, which is then partitioned into locale files via the docstrip tool based on the respective ins file. A macro \file{\(\filename\)\} is available for the sectioning the documentation of various files within the dtx file. \(filename\). 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 locale files named *locale*.def, where *locale* is the result of the expansion of \thesis@locale, loaded via main routine's inheritance scheme (see Section 3.1) needs to define the following private macros:

195

- \thesis@locale@universityName The name of the university
- \thesis@locale@facultyName The name of the faculty
- \thesis@locale@assignment Instructions to replace the current page with the official thesis assignment
- \thesis@locale@declaration The declaration text
- \thesis@locale@fieldTitle The title of the field of study entry
- \thesis@locale@advisorTitle The title of the advisor
- \thesis@locale@authorTitle The title of the author
- \thesis@locale@abstractTitle The title of the abstract section
- \thesis@locale@keywordsTitle The title of the keywords section
- \thesis@locale@thanksTitle The title of the acknowledgement section
- \thesis@locale@declarationTitle The title of the declaration section
- \thesis@locale@idTitle The title of the thesis author's identifier field
- \thesis@locale@winter The name of the winter semester
- \thesis@locale@summer The name of the summer semester
- \thesis@locale@semester The full name of the current semester
- \thesis@locale@typeName The name of the thesis type

3.5.2 English locale files

3.5.2.1 The locale/english.def file

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

```
333 \ProvidesFile{fithesis3/locale/english.def}[2015/04/18]
334
335 % Placeholders
336 \def\thesis@english@universityName{University name}
337 \def\thesis@english@facultyName{Faculty name}
338 \def\thesis@english@assignment{Replace this page with a copy
339 of the official signed thesis assignment.}
340 \def\thesis@english@declaration{Declaration text ...}
341
342 % Miscellaneous
343 \def\thesis@english@fieldTitle{Field of study}
344 \def\thesis@english@advisorTitle{Advisor}
345 \def\thesis@english@authorTitle{Author}
346 \def\thesis@english@abstractTitle{Abstract}
```

```
347 \def\thesis@english@keywordsTitle{Keywords}
348 \def\thesis@english@thanksTitle{Acknowledgement}
349 \def\thesis@english@declarationTitle{Declaration}
350 \def\thesis@english@idTitle{ID}
351 \def\thesis@english@winter{Spring}
352 \def\thesis@english@summer{Fall}
353 \def\thesis@english@semester{%
354 \thesis@{english@\thesis@season} \thesis@year}
355 \def\thesis@english@typeName{%
    \ifx\thesis@type\thesis@bachelors%
      Bachelor's Thesis%
357
358
    \else\ifx\thesis@type\thesis@masters%
      Master's Thesis%
359
    \else\ifx\thesis@type\thesis@doctoral%
      Doctoral Thesis%
361
362 \else\ifx\thesis@type\thesis@rigorous%
363
      Rigorous Thesis%
364 \else%
365
      <<Unknown thesis type (\thesis@type)>>%
366 \left\{ i\right\}
```

3.5.2.2 The locale/mu/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.

```
367 \ProvidesFile{fithesis3/locale/mu/english.def}[2015/04/18]
368 \def\thesis@english@universityName{Masaryk University}
369 \def\thesis@english@declaration{%
370 Hereby I declare that this paper is my original authorial work,
371 which I have worked out by my own. All sources, references and
372 literature used or excerpted during elaboration of this work are
373 properly cited and listed in complete reference to the due source.}
374
375 % Miscellaneous
376 \def\thesis@english@idTitle{UČO}
```

3.5.2.3 The locale/mu/law/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.

```
377 \ProvidesFile{fithesis3/locale/mu/law/english.def}[2015/04/18] 378 \def\thesis@english@facultyName{The Faculty of Law} 379 \def\thesis@english@facultyLongName{The Faculty of Law of the 380 Masaryk University}
```

3.5.2.4 The locale/mu/fsps/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.

```
381 \ProvidesFile{fithesis3/locale/mu/fsps/english.def}[2015/04/18]
382
383 % Placeholders
384 \def\thesis@english@facultyName{Faculty of Sports Studies}
385
386 % Miscellaneous
387 \def\thesis@english@fieldTitle{Specialization}
```

3.5.2.5 The locale/mu/fss/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 string with the correct value.

```
388 \ProvidesFile{fithesis3/locale/mu/fss/english.def}[2015/04/18]
389
390 % Placeholders
391 \def\thesis@english@facultyName{Faculty of Social Studies}
392 \def\thesis@english@assignment{Replace this page with a copy
393 of the official signed thesis assignment or the copy of the
394 Statement of an Author or both, depending on the requirements of
395 the respective department.}
```

3.5.2.6 The locale/mu/econ/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.

```
396 \ProvidesFile{fithesis3/locale/mu/econ/english.def}[2015/04/18] 397 \def\thesis@english@facultyName{Faculty of Economics and Administration}
```

3.5.2.7 The locale/mu/med/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 The file also defines the bib@title and bib@pages strings required by the \thesis@blocks@bibEntry block defined within the style/mu/fithesis3-med.sty style file.

```
399 \ProvidesFile{fithesis3/locale/mu/med/english.def}[2015/04/18]
400
401% Miscellaneous
402 \def\thesis@english@abstractTitle{Annotation}
403
404% Placeholders
```

```
405 \def\thesis@english@facultyName{Faculty of Medicine}
406
407% Bibliographic entry
408 \def\thesis@english@bib@title{Bibliographic record}
409 \def\thesis@english@bib@pages{p}
```

3.5.2.8 The locale/mu/fi/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 updates 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/fithesis3-fi.sty style file.

```
410 \ProvidesFile{fithesis3/locale/mu/fi/english.def}[2015/04/26]
411
412% Placeholders
413 \def\thesis@english@facultyName{Faculty of Informatics}
414 \def\thesis@english@assignment{Replace this page with a copy
415 of the official signed thesis assignment and the copy of the
416 Statement of an Author.}
417
418% Others
419 \def\thesis@english@advisorSignature{Signature of Thesis
420 \thesis@english@advisorTitle}
```

3.5.2.9 The locale/mu/phil/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.

```
421 \ProvidesFile{fithesis3/locale/mu/phil/english.def}[2015/04/18] 422 \def\thesis@english@facultyName{Faculty of Arts}
```

3.5.2.10 The locale/mu/ped/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/fithesis3-ped.sty style file.

```
423 \ProvidesFile{fithesis3/locale/mu/ped/english.def}[2015/04/26]
424
425 % Placeholders
426 \def\thesis@english@facultyName{Faculty of Education}
427
428 % Bibliographic entry
429 \def\thesis@english@bib@title{Bibliographic record}
430 \def\thesis@english@bib@pages{p}
```

3.5.2.11 The locale/mu/sci/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/fithesis3-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.

```
431 \ProvidesFile{fithesis3/locale/mu/sci/english.def}[2015/04/18]
432
433 % Placeholders
434 \def\thesis@english@facultyName{Faculty of Science}
435
436 % Miscellaneous
437 \let\thesis@english@advisorTitleEn=\thesis@english@bib@advisor
438
439 % Bibliographic entry
440 \def\thesis@english@bib@title{Bibliographic entry}
441 \let\thesis@english@bib@author\thesis@english@authorTitle
442 \def\thesis@english@bib@thesisTitle{Title of Thesis}
443 \def\thesis@english@bib@programme{Degree Programme}
444 \let\thesis@english@bib@field\thesis@english@fieldTitle
445 \def\thesis@english@bib@academicYear{Academic Year}
446 \def\thesis@english@bib@ages{Number of Pages}
448 \let\thesis@english@bib@keywords\thesis@english@keywordsTitle
```

3.5.3 Czech locale files

3.5.3.1 The locale/czech.def file

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

\thesis@czech@gender@koncovka

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

```
449 \ProvidesFile{fithesis3/locale/czech.def}[2015/04/18]
450
451% Pomocná makra
452 \def\thesis@czech@gender@koncovka{%
453 \ifthesis@woman a\fi}
454
455% Zástupné texty
456 \def\thesis@czech@universityName{Název univerzity}
457 \def\thesis@czech@facultyName{Název fakulty}
458 \def\thesis@czech@assignment{Misto tohoto listu vložte kopii
459 oficiálního podepsaného zadání práce.}
460 \def\thesis@czech@declaration{Text prohlášení ...}
```

```
461
462 % Různé
463 \def\thesis@czech@fieldTitle{Obor}
464 \def\thesis@czech@advisorTitle{Vedoucí práce}
465 \def\thesis@czech@authorTitle{Autor}
466 \def\thesis@czech@abstractTitle{Shrnutí}
467 \def\thesis@czech@keywordsTitle{Klíčová slova}
468 \def\thesis@czech@thanksTitle{Poděkování}
469 \def\thesis@czech@declarationTitle{Prohlášení}
470 \def\thesis@czech@idTitle{ID}
471 \def\thesis@czech@winter{Jaro}
472 \def\thesis@czech@summer{Podzim}
473 \def\thesis@czech@semester{%
474 \thesis@{czech@\thesis@season} \thesis@year}
475 \def\thesis@czech@typeName{%
    \ifx\thesis@type\thesis@bachelors%
476
      Bakalářská práce%
477
    \else\ifx\thesis@type\thesis@masters%
478
479
      Diplomová práce%
    \else\ifx\thesis@type\thesis@doctoral%
      Disertační práce%
481
    \else\ifx\thesis@type\thesis@rigorous%
482
      Rigorózní práce%
483
    \else%
484
      <<Neznámý typ práce (\thesis@type)>>%
485
    \fi\fi\fi\fi\fi}
487 \def\thesis@czech@typeName@akuzativ{%
    \ifx\thesis@type\thesis@bachelors%
      Bakalářskou práci%
489
    \else\ifx\thesis@type\thesis@masters%
490
      Diplomovou práci%
491
492
    \else\ifx\thesis@type\thesis@doctoral%
493
      Disertační práci%
    \else\ifx\thesis@type\thesis@rigorous%
494
      Rigorózní práci%
495
    \else%
496
      <<Neznámý typ práce (\thesis@type)>>%
497
498
    \fi\fi\fi\fi\fi}
```

3.5.3.2 The locale/mu/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.

```
499 \ProvidesFile{fithesis3/locale/mu/czech.def}[2015/04/26]
500
501% Zástupné texty
502 \def\thesis@czech@universityName{Masarykova Univerzita}
503 \def\thesis@czech@declaration{Prohlašuji, že jsem
504 \thesis@lower{czech@typeName@akuzativ} zpracoval%
```

```
505 \thesis@czech@gender@koncovka\ samostatně a
506 použil\thesis@czech@gender@koncovka\ jen prameny
507 uvedené~v seznamu literatury.}
508
509 % Různé
510 \def\thesis@czech@idTitle{UČO}
```

3.5.3.3 The locale/mu/law/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.

```
511 \ProvidesFile{fithesis3/locale/mu/law/czech.def}[2015/04/26]
512
513 % Různé
514 \def\thesis@czech@abstractTitle{Abstrakt}
515
516 % Zástupné texty
517 \def\thesis@czech@facultyName{Právnická fakulta}
518 \def\thesis@czech@facultyLongName{Právnická fakulta Masarykovy
519 univerzity}
```

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

```
520 \ProvidesFile{fithesis3/locale/mu/fsps/czech.def}[2015/04/27]
521
522 % Zástupné texty
523 \def\thesis@czech@facultyName{Fakulta sportovních studií}
524
525 % Různé
526 \def\thesis@czech@fieldTitle{Specializace}
```

3.5.3.5 The locale/mu/fss/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 string with the correct value.

```
527 \ProvidesFile{fithesis3/locale/mu/fss/czech.def}[2015/04/26]
528
529 % Zástupné texty
530 \def\thesis@czech@facultyName{Fakulta sociálních studií}
531 \def\thesis@czech@assignment{Místo tohoto listu
532 vložte kopie oficiálního podepsaného zadání práce nebo
533 prohlášení autora školního díla nebo obojí~v závislosti na
534 požadavcích příslušné katedry.}
```

3.5.3.6 The locale/mu/econ/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.

```
536 \ProvidesFile{fithesis3/locale/mu/econ/czech.def}[2015/04/18] 537 \def\thesis@czech@facultyName{Ekonomicko-správní fakulta}
```

3.5.3.7 The locale/mu/med/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/fithesis3-med.sty style file.

```
538 \ProvidesFile{fithesis3/locale/mu/med/czech.def}[2015/04/26]
539
540 % Různé
541 \def\thesis@czech@abstractTitle{Anotace}
542
543 % Zástupné texty
544 \def\thesis@czech@facultyName{Lékařská fakulta}
545
546 % Bibliografický záznam
547 \def\thesis@czech@bib@title{Bibliografický záznam}
548 \def\thesis@czech@bib@pages{str}
```

3.5.3.8 The locale/mu/fi/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 updates 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/fithesis3-fi.sty style file.

```
549 \ProvidesFile{fithesis3/locale/mu/fi/czech.def}[2015/04/18]
550
551% Zástupné texty
552 \def\thesis@czech@facultyName{Fakulta informatiky}
553 \def\thesis@czech@assignment{Misto tohoto listu
554 vložte kopie oficiálního podepsaného zadání práce a
555 prohlášení autora školního díla.}
556 \def\thesis@czech@declaration{%
557 Prohlašuji, že tato \thesis@lower{czech@typeName} je mým
558 původním autorským dílem, které jsem vypracoval%
559 \thesis@czech@gender@koncovka\ samostatně. Všechny zdroje,
560 prameny a literaturu, které jsem při vypracování
561 používal\thesis@czech@gender@koncovka\ nebo z~nich
```

```
562 čerpal\thesis@czech@gender@koncovka, v~práci řádně cituji
563 s~uvedením úplného odkazu na příslušný zdroj.}
564
565 % Ostatní
566 \def\thesis@czech@advisorSignature{Podpis vedoucího}
```

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

```
567 \ProvidesFile{fithesis3/locale/mu/phil/czech.def}[2015/04/26]
569 % Zástupné textv
570 \def\thesis@czech@facultyName{Filozofická fakulta}
571 \def\thesis@czech@declaration{%
572
    Prohlašuji, že jsem \thesis@@lower{typeName@akuzativ}
    vypracoval\thesis@czech@gender@koncovka\ samostatně~s využitím
    uvedené literatury.}
575
576% Ostatní
577 \def\thesis@czech@typeName{%
578 \ifx\thesis@type\thesis@bachelors%
579
      Bakalářská diplomová práce%
580 \else\ifx\thesis@type\thesis@masters%
      Magisterská diplomová práce%
581
582 \else\ifx\thesis@type\thesis@doctoral%
      Disertační práce%
583
584 \else%
585
      <<Neznámý typ práce (\thesis@type)>>%
586 \fi\fi\fi}
587 \def\thesis@czech@typeName@akuzativ{%
588 \ifx\thesis@type\thesis@bachelors%
      Diplomovou práci%
589
590 \else\ifx\thesis@type\thesis@masters%
      Diplomovou práci%
591
592 \else\ifx\thesis@type\thesis@doctoral%
      Disertační práci%
      <<Neznámý typ práce (\thesis@type)>>%
596 fi\fi\fi
```

3.5.3.10 The locale/mu/ped/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@bibEntryblock defined within the style/mu/fithesis3-ped.sty

style file.

```
597 \ProvidesFile{fithesis3/locale/mu/ped/czech.def}[2015/04/26]
598
599 % Zástupné texty
600 \def\thesis@czech@facultyName{Pedagogická fakulta}
601
602 % Bibliografický záznam
603 \def\thesis@czech@bib@title{Bibliografický záznam}
604 \def\thesis@czech@bib@pages{str}
```

3.5.3.11 The locale/mu/sci/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/fithesis3-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.

```
605 \ProvidesFile{fithesis3/locale/mu/sci/czech.def}[2015/04/18]
607 % Zástupné texty
608 \def\thesis@czech@facultyName{Přírodovědecká fakulta}
610 % Ostatní
611 \def\thesis@czech@abstractTitle{Abstrakt}
612 \def\thesis@czech@declaration{%
613 Prohlašuji, že jsem svoji \thesis@lower{czech@typeName@%
614 akuzativ} vypracoval\thesis@czech@gender@koncovka\ samo%
615 statně s~využitím informačních zdrojů, které jsou v~práci
616 citovány.}
617
618% Bibliografický záznam
619 \def\thesis@czech@bib@title{Bibliografický záznam}
620 \let\thesis@czech@bib@author\thesis@czech@authorTitle
621 \def\thesis@czech@bib@thesisTitle{Název práce}
622 \def\thesis@czech@bib@programme{Studijní program}
623 \let\thesis@czech@bib@field\thesis@czech@fieldTitle
624 \let\thesis@czech@bib@advisor\thesis@czech@advisorTitle
625 \def\thesis@czech@bib@academicYear{Akademický rok}
626 \def\thesis@czech@bib@pages{Počet stran}
627 \let\thesis@czech@bib@keywords\thesis@czech@keywordsTitle
```

3.5.4 Slovak locale files

3.5.4.1 The locale/slovak.def file

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

\thesis@slovak@gender@koncovka

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

```
628 \ProvidesFile{fithesis3/locale/slovak.def}[2015/04/18]
630 % Pomocná makrá
631 \def\thesis@slovak@gender@koncovka{%
632 \ifthesis@woman a\fi}
634 % Zástupné texty
635 \def\thesis@slovak@universityName{Názov univerzity}
636 \def\thesis@slovak@facultyName{Názov fakulty}
637 \def\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
638 oficiálneho podpísaného zadania práce.}
639 \def\thesis@slovak@declaration{Text prehlásenie ...}
640
641 % Rôzne
642 \def\thesis@slovak@fieldTitle{Odbor}
643 \def\thesis@slovak@advisorTitle{Vedúci práce}
644 \def\thesis@slovak@authorTitle{Autor}
645 \def\thesis@slovak@abstractTitle{Zhrnutie}
646 \def\thesis@slovak@keywordsTitle{Kl'účové slová}
647 \def\thesis@slovak@thanksTitle{Podakovanie}
648 \def\thesis@slovak@declarationTitle{Prehlásenie}
649 \def\thesis@slovak@idTitle{ID}
650 \def\thesis@slovak@winter{Jar}
651 \def\thesis@slovak@summer{Jeseň}
652 \def\thesis@slovak@semester{%
653 \thesis@{slovak@\thesis@season} \thesis@year}
654 \def\thesis@slovak@typeName{%
655 \ifx\thesis@type\thesis@bachelors%
      Bakalárska práca%
656
    \else\ifx\thesis@type\thesis@masters%
657
      Diplomová práca%
658
    \else\ifx\thesis@type\thesis@doctoral%
659
      Dizertačná práca%
660
    \else\ifx\thesis@type\thesis@rigorous%
661
      Rigorózna práca%
662
663
    \else%
      <<Neznámy typ práce (\thesis@type)>>%
664
665 \fi\fi\fi\fi\}
666 \def\thesis@slovak@typeName@akuzativ{%
    \ifx\thesis@type\thesis@bachelors%
      Bakalársku prácu%
668
669 \else\ifx\thesis@type\thesis@masters%
      Diplomovú prácu%
670
671 \else\ifx\thesis@type\thesis@doctoral%
      Dizertačnú prácu%
672
673 \else\ifx\thesis@type\thesis@rigorous%
```

```
674 Rigoróznu prácu%
675 \else%
676 <<Neznámy typ práce (\thesis@type)>>%
677 \fi\fi\fi\fi\
```

3.5.4.2 The locale/mu/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.

```
678 \ProvidesFile{fithesis3/locale/mu/slovak.def}[2015/04/26]
679
680 % Zástupné texty
681 \def\thesis@slovak@universityName{Masarykova Univerzita}
682 \def\thesis@slovak@declaration{%
683    Prehlašujem, že som predloženú \thesis@lower{%
684    slovak@typeName@akuzativ} vypracoval%
685    \thesis@slovak@gender@koncovka\ samostatne len s~použitím
686    uvedenej literatúry a prameňov.}
687
688 % Rôzne
689 \def\thesis@slovak@idTitle{UČO}
```

3.5.4.3 The locale/mu/law/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.

```
690 \ProvidesFile{fithesis3/locale/mu/law/slovak.def}[2015/04/26]
691
692 % Rôzne
693 \def\thesis@slovak@abstractTitle{Abstrakt}
694
695 % Zástupné texty
696 \def\thesis@slovak@facultyName{Právnická fakulta}
697 \def\thesis@slovak@facultyLongName{Právnická fakulta Masarykovej
698 univerzity}
```

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

```
699 \ProvidesFile{fithesis3/locale/mu/fsps/slovak.def}[2015/04/18]
700
701% Zástupné texty
702 \def\thesis@slovak@facultyName{Fakulta športových štúdií}
```

```
703
704% Rôzne
705\def\thesis@slovak@fieldTitle{Špecializácie}
```

3.5.4.5 The locale/mu/fss/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 string with the correct value.

```
706 \ProvidesFile{fithesis3/locale/mu/fss/slovak.def}[2015/04/26]
707
708% Zástupné texty
709 \def\thesis@slovak@facultyName{Fakulta sociálnych štúdií}
710 \def\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
711 oficiálneho podpísaného zadania práce alebo prehlásenie autora
712 školského diela alebo obidve~v závislosti na požiadavkách
713 príslušnej katedry.}
```

3.5.4.6 The locale/mu/econ/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.

```
714 \ProvidesFile{fithesis3/locale/mu/econ/slovak.def}[2015/04/18] 715 \def\thesis@slovak@facultyName{Ekonomicko-správna fakulta}
```

3.5.4.7 The locale/mu/med/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/fithesis3-med.sty style file.

```
716 \ProvidesFile{fithesis3/locale/mu/med/slovak.def}[2015/04/26]
717
718 % Rôzne
719 \def\thesis@slovak@abstractTitle{Anotácie}
720
721 % Zástupné texty
722 \def\thesis@slovak@facultyName{Lekárska fakulta}
723
724 % Bibliografický zoznam
725 \def\thesis@slovak@bib@title{Bibliografický záznam}
726 \def\thesis@slovak@bib@pages{str}
```

3.5.4.8 The locale/mu/fi/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 updates 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/fithesis3-fi.sty style file.

```
727 \ProvidesFile{fithesis3/locale/mu/fi/slovak.def}[2015/04/18]
729 % Zástupné texty
730 \def\thesis@slovak@facultyName{Fakulta informatiky}
731 \def\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
732 oficiálneho podpísaného zadania práce a prehlásenie autora
733 školského diela.}
734 \def\thesis@slovak@declaration{%
    Prehlasujem, že táto \thesis@lower{slovak@typeName} je mojím
    pôvodným autorským dielom, ktoré som vypracoval%
    \thesis@slovak@gender@koncovka\ samostatne. Všetky zdroje,
    pramene a literatúru, ktoré som pri vypracovaní
    používal\thesis@slovak@gender@koncovka\ alebo z~nich
740 čerpal\thesis@slovak@gender@koncovka, v~práci riadne citujem
    s~uvedením úplného odkazu na príslušný zdroj.}
742
743 % Rôzne
744 \def\thesis@slovak@advisorSignature{Podpis vedúceho}
```

3.5.4.9 The locale/mu/phil/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.

```
745 \ProvidesFile{fithesis3/locale/mu/phil/slovak.def}[2015/04/26]
746
747 % Zástupné texty
748 \def\thesis@slovak@facultyName{Filozofická fakulta}
749 \def\thesis@slovak@declaration{%
750 Prehlašujem, že som predloženú \thesis@lower{%
751 slovak@typeName@akuzativ} vypracoval%
752 \thesis@slovak@gender@koncovka\ samostatne na
    základe vlastných zistení a len s~použitím
754 uvedenej literatúry a prameňov.}
755
756 % Rôzne
757 \def\thesis@slovak@typeName{%
758 \ifx\thesis@type\thesis@bachelors%
      Bakalárska diplomová práca%
759
760 \else\ifx\thesis@type\thesis@masters%
      Magisterská diplomová práca%
762 \else\ifx\thesis@type\thesis@doctoral%
     Dizertačná práca%
763
764 \else%
```

```
<<Neznámy typ práce (\thesis@type)>>%
765
   \fi\fi\fi}
766
767 \def\thesis@slovak@typeName@akuzativ{%
768 \ifx\thesis@type\thesis@bachelors%
      Diplomovú prácu%
769
770 \else\ifx\thesis@type\thesis@masters%
771
      Diplomovú prácu%
772 \else\ifx\thesis@type\thesis@doctoral%
      Dizertačnú prácu%
773
774 \else%
      <<Neznámý typ práce (\thesis@type)>>%
775
776 \fi\fi\fi}
```

3.5.4.10 The locale/mu/ped/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/fithesis3-ped.sty style file.

```
777 \ProvidesFile{fithesis3/locale/mu/ped/slovak.def}[2015/04/18]
778
779 % Zástupné texty
780 \def\thesis@slovak@facultyName{Pedagogická fakulta}
781
782 % Bibliografický zoznam
783 \def\thesis@slovak@bib@title{Bibliografický záznam}
784 \def\thesis@slovak@bib@pages{str}
```

3.5.4.11 The locale/mu/sci/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.

```
785 \ProvidesFile{fithesis3/locale/mu/sci/slovak.def}[2015/04/18]
786
787 % Zástupné texty
788 \def\thesis@slovak@facultyName{Prírodovedecká fakulta}
```

3.6 Style files

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

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

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3.6.1 Interface

The union of style files loaded via main routine's inheritance scheme (see Section 3.1) should define at least one of the following private macros:

\thesis@preamble

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

\thesis@postamble

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

3.6.2 Base style files

3.6.2.1 The style/fithesis3-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.

```
789 \NeedsTeXFormat{LaTeX2e}
790 \ProvidesPackage{fithesis3/style/fithesis3-base}[2015/04/08]
```

3.6.2.2 The style/mu/fithesis3-base.sty file

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

```
791 \ProvidesPackage{fithesis3/style/mu/fithesis3-base}[2015/04/12]  
792 \NeedsTeXFormat{LaTeX2e}
```

The file recognizes the following options:

- 10pt, 11pt, 12pt Sets the type size to 10, 11 or 12 points respectively, along with the page geometry. The default type size is 12 points.
- oneside, twoside The document is going to be single- or double-sided. In a double-sided document headers, page numbering, margin notes and several other elements are rearranged based on the parity of the page. Blank pages are optionally inserted prior the beginning of the next chapter to ensure that it starts on an left-hand (even-numbered) page.

\ifthesis@twoside@

- The \ifthesis@twoside@ conditional is set to either false or true, respectively. This value can be tested in the subsequently loaded style files.
- onecolumn, twocolumn The document is going to be set in a single column or in two columns, respectively.
- draft, final Overful lines are or aren't marked within the document, respectively.

\ifthesis@palatino@

• palatino, nopalatino – The default roman and math font family is going to be either set to Palatino or left untouched, respectively. The \ifthesis@palatino@ conditional is set to either true or false, respectively. This value can be tested in the subsequently loaded style files.

The Palatino font is a part of the visual identity of the Faculty of Informatics, at which the document class was created.

\ifthesis@color@

\ifthesis@newtable@

- 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. This value can be tested in the subsequently loaded style files.
- table, oldtable If the \ifthesis@color@conditional is true, then the definition of the tabular and tabularx commands either are or aren't going to be altered to better match the style, respectively. The \ifthesis@newtable@conditional is set to either true or false, respectively.

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

\thesis@blocks@tables

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

\thesis@blocks@tables

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

\thesis@blocks@cover

 cover, nocover – The \thesis@blocks@cover is or isn't going to expand to the thesis cover.

\ifthesis@cover@

The \ifthesis@cover@conditional is set to false or true, respectively. This value can be tested in the subsequently loaded style files.

```
793 \DeclareOption{10pt}{\def\thesis@ptsize{0}}
794 \DeclareOption{11pt}{\def\thesis@ptsize{1}}
795 \DeclareOption{12pt}{\def\thesis@ptsize{2}}
796 \newif\ifthesis@twoside@
797 \DeclareOption{oneside}{%
798  \thesis@twoside@false\@twosidefalse\@mparswitchfalse}
799 \DeclareOption{twoside}{%
800  \thesis@twoside@true \@twosidetrue \@mparswitchtrue}
801 \DeclareOption{onecolumn}{\@twocolumnfalse}
802 \DeclareOption{twocolumn}{\@twocolumntrue}
803 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
```

```
804 \DeclareOption{final}{\setlength\overfullrule{0pt}}
805 \newif\ifthesis@color@
806 \DeclareOption{monochrome}{\thesis@color@false}
807 \DeclareOption{color}{\thesis@color@true}
808 \newif\ifthesis@palatino@
809 \DeclareOption{palatino}{\thesis@palatino@true}
810 \DeclareOption{nopalatino}{\thesis@palatino@false}
811 \newif\ifthesis@newtable@
812 \DeclareOption{table}{\thesis@newtable@true}
813 \DeclareOption{oldtable}{\thesis@newtable@false}
814 \DeclareOption{nolot}{\def\thesis@blocks@lot{}}
815 \DeclareOption{lot}{\let\thesis@blocks@lot\listoftables}
816 \DeclareOption{nolof}{\def\thesis@blocks@lof{}}
817 \DeclareOption{lof}{\let\thesis@blocks@lof\listoffigures}
818 \newif\ifthesis@cover@
819 \DeclareOption{nocover}{\thesis@cover@false}
820 \DeclareOption{cover}{\thesis@cover@true}
These are the default options:
821 \ExecuteOptions{12pt, twoside, final, monochrome, palatino,
822 oldtable, lot, lof, nocover}
823 \ProcessOptions
```

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

```
824 \thesis@require{xcolor}
825 \thesis@require{graphicx}
826 \thesis@require{pdfpages}
827 \thesis@require{keyval}
828 \thesis@require{ifxetex}
829 \thesis@require{ifluatex}
```

\ifthesis@xeluatex

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

```
830 {\let\x\expandafter
831 \x\global\x\let\x\ifthesis@xeluatex\csname if%
832 \ifxetex true\else
833 \ifluatex\x\x\x t\x\x\x r\x\x\x u\x\x\x e%
834 \else f\x\x\x a\x\x\x l\x\x\x s\x\x\x e%
835 \fi
836 \fi\endcsname}
```

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

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

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

```
837 \ifthesis@xeluatex
838 \ifthesis@palatino@
839 \thesis@require{fontspec}
840 \thesis@require{unicode-math}
841 \setmainfont[Ligatures=TeX]{TeX Gyre Pagella}
842 \setmathfont[math-style=ISO,bold-style=ISO,vargreek-shape=TeX]%
843 \{TG Pagella Math}
844 \fi
```

The following packages get only loaded, when the document is not being typeset using the XATEX engine and the \ifthesis@palatino@ conditional is true:

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

```
845 \else
846
    \ifthesis@palatino@
847
       \RequirePackage[resetfonts]{cmap}
848
       \thesis@require{lmodern}
849
      \thesis@require{mathpazo}
       \thesis@require{tgpagella}
850
       \RequirePackage[T1]{fontenc}
851
852
   \fi
853\fi
```

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

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

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

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

```
854 \let\thesis@newtable@old\tabular
855 \let\endthesis@newtable@old\endtabular
856 \ifthesis@newtable@\ifthesis@color@
    \thesis@require{tabularx}
    \thesis@require{booktabs}
858
    % The redefinition of 'tabular'
859
    \renewenvironment{tabular}%
      {\rowcolors{1}{thesis@color@tableOdd}%
861
                     {thesis@color@tableEven}%
862
       \thesis@newtable@old}%
863
      {\endthesis@newtable@old}
864
    % The redefinition of 'tabularx'
865
    \let\thesis@newtable@oldx\tabularx
    \let\endthesis@newtable@oldx\endtabularx
867
    \renewenvironment{tabularx}%
868
      {\rowcolors{1}{thesis@color@tableOdd}%
869
                     {thesis@color@tableEven}%
870
       \thesis@newtable@oldx}%
871
      {\endthesis@newtable@oldx}
872
    % Adjust the measurements
    \setlength{\aboverulesep}{0pt}
    \setlength{\belowrulesep}{0pt}
876 \setlength{\extrarowheight}{.75ex}
877 \fi\fi
```

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

```
878 \thesis@require{hyperref}

879 \hypersetup{

880 pdfborderstyle={/S/U/W 1}, % Less obtrusive borders

881 plainpages=false, % Multiple page numbering support

882 pdfpagelabels % Generate pdf page labels

883 }
```

\thesis@color@setup

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

```
884 \def\thesis@color@setup#1{%
```

```
885 \setkeys{thesis@color}{#1}}
```

The following key-value pairs are supported:

- 1. {\langle links=color\rangle} 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 tabular x environments under the name thesis@color@tableOdd.
- 3. {\langle table Even=color\rangle} Stores the color of the even rows of the redefined tabular and tabular environments under the name thesis@color@tableEven.
- 4. $\{\langle tableEven=color \rangle\}$ Stores the color of an emphasized cell in the table for usage by the user under the name thesis@color@tableEven.

```
886 \define@key{thesis@color}{links}{%
887 \definecolor{thesis@color@links}#1
888 \hypersetup{linkbordercolor=thesis@color@links}}
889 \define@key{thesis@color}{tableOdd}{%
890 \definecolor{thesis@color@tableOdd}#1}
891 \define@key{thesis@color}{tableEven}{%
892 \definecolor{thesis@color@tableEven}#1}
893 \define@key{thesis@color}{tableEmph}{%
894 \definecolor{thesis@color@tableEmph}#1}
```

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

\thesis@blocks@frontMatter

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

```
895 \def\thesis@blocks@frontMatter{%
896  \thesis@blocks@clear
897  \pagestyle{plain}
898  \parindent 1.5em
899  \setcounter{page}{1}
900  \pagenumbering{roman}}
```

\thesis@blocks@clear

The \thesis@blocks@clear private macro clears the current page along with the next left-handed (even-numbered) page, when double-sided typesetting is enabled.

```
901 \def\thesis@blocks@clear{%
902 \ifthesis@twoside@%
903 \clearpage%
904 \thispagestyle{empty}%
905 \cleardoublepage%
906 \else%
907 \newpage%
908 \fi}
```

\thesis@blocks@leftPage

The \thesis@blocks@leftPage private macro clears the current page along with the next right-handed (odd-numbered) page, when double-sided typesetting is enabled.

```
909 \def\thesis@blocks@clearRight{%
910 \ifthesis@twoside@%
911
      \clearpage%
912
      \ifodd\value{page}%
        \thispagestyle{empty}%
        \hbox{}%
915
        \newpage%
      \fi%
916
917
    \else%
918
      \newpage%
    \fi}
```

s@blocks@facultyLogo@monochrome

The $\t \ensuremath{\t}$ The $\t \ensu$

```
920 \newcommand{\thesis@blocks@facultyLogo@monochrome}[1]%
921  [width=40mm]{{%
922  \edef\@path{\thesis@logopath\thesis@facultyLogo}%
923  \includegraphics[#1]{\@path}}}
```

thesis@blocks@facultyLogo@color

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

```
924 \newcommand{\thesis@blocks@facultyLogo@color}[1]%
925    [width=40mm]{{%
926     \edef\@path{\thesis@logopath\ifthesis@color@%
927     color/\fi\thesis@facultyLogo}%
928    \includegraphics[#1]{\@path}}}
```

locks@universityLogo@monochrome

The \thesis@blocks@universityLogo@monochrome[$\langle options \rangle$] private macro typesets the \thesis@logopath\thesis@universityLogo logo with the given options passed to \includegraphics.

```
929 \newcommand{\thesis@blocks@universityLogo@monochrome}[1]%
930  [width=40mm]{{%
931  \edef\@path{\thesis@logopath\thesis@universityLogo}%
932  \includegraphics[#1]{\@path}}}
```

sis@blocks@universityLogo@color

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

```
933 \newcommand{\thesis@blocks@universityLogo@color}[1]%
934    [width=40mm]{{%
935     \edef\@path{\thesis@logopath\ifthesis@color@%
```

\thesis@blocks@cover

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

```
938 \def\thesis@blocks@cover{%
    \ifthesis@cover@%
      \thesis@blocks@clear%
940
941
      \ifthesis@twoside@\@twosidefalse\fi % Temporarily disable twoside
      \begin{alwayssingle}%
942
943
         \thispagestyle{empty}%
944
         \begin{center}%
           \thesis@blocks@cover@header%
945
           \thesis@blocks@facultyLogo@monochrome\\[0.4in]%
           \let\footnotesize\small%
948
           \let\footnoterule\relax{}%
           \thesis@blocks@cover@content%
949
           \par\vfill%
950
           \thesis@blocks@cover@footer%
951
952
         \end{center}%
953
      \end{alwayssingle}%
954
      \ifthesis@twoside@\@twosidetrue\fi % Re-enable twoside
955
    \fi}
```

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

- 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 expression 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 expression 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 expression 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 expression is false.

The sebsequently loaded style files can alter the value of these expressions to alter the output of the \thesis@blocks@cover@header private macro without altering its definition.

```
956 \newif\ifthesis@blocks@cover@university@
957 \thesis@blocks@cover@university@true
958 \newif\ifthesis@blocks@cover@faculty@
959 \thesis@blocks@cover@faculty@true
960 \newif\ifthesis@blocks@cover@department@
961 \thesis@blocks@cover@department@false
962 \newif\ifthesis@blocks@cover@field@
963 \thesis@blocks@cover@field@false
964
965 \def\thesis@blocks@cover@header{%
    {\sc\ifthesis@blocks@cover@university@%
           \thesis@titlePage@LARGE\thesis@@{universityName}\\%
967
     \fi\ifthesis@blocks@cover@faculty@%
968
           \thesis@titlePage@Large\thesis@@{facultyName}\\%
969
     \fi\ifthesis@blocks@cover@department@%
970
971
           \thesis@titlePage@large\thesis@department\\%
972
        \fi}
    \ifthesis@blocks@cover@field@%
974
      {\thesis@titlePage@large\vskip 1em%
975
        {\bf\thesis@@{fieldTitle}:} \thesis@field}%
976 \fi\vskip 2em}
977 \def\thesis@blocks@cover@content{%
978 {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}%
    \vskip 0.8in%
980 {\thesis@titlePage@large\sc\thesis@@{typeName}}\\[0.3in]%
981 {\thesis@titlePage@Large\bf\thesis@author}}
982 \def\thesis@blocks@cover@footer{%
983 {\thesis@titlePage@large\thesis@place, \thesis@@{semester}}}
```

\thesis@blocks@titlePage

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

```
984 \def\thesis@blocks@titlePage{%
985   \thesis@blocks@clear%
986   \begin{alwayssingle}%
987   \thispagestyle{empty}%
988   \begin{center}%
```

```
\thesis@blocks@titlePage@header%
989
           \thesis@blocks@facultyLogo@color\\[0.4in]%
990
           \let\footnotesize\small%
991
           \let\footnoterule\relax{}%
992
           \thesis@blocks@titlePage@content%
993
994
           \par\vfill%
           \thesis@blocks@titlePage@footer%
996
         \end{center}%
997
       \end{alwayssingle}}
```

The output of the \thesis@blocks@titlePage@header private macro is controlled by the following conditional expressions:

- \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 expression 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 expression 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 expression 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 expression is false.

The sebsequently loaded style files can alter the value of these expressions to alter the output of the \thesis@blocks@titlePage@header private macro without altering its definition.

```
998 \newif\ifthesis@blocks@titlePage@university@
 999 \thesis@blocks@titlePage@university@true
1000 \newif\ifthesis@blocks@titlePage@faculty@
1001 \thesis@blocks@titlePage@faculty@true
1002 \newif\ifthesis@blocks@titlePage@department@
1003 \thesis@blocks@titlePage@department@false
1004 \newif\ifthesis@blocks@titlePage@field@
1005 \thesis@blocks@titlePage@field@false
1006
1007 \def\thesis@blocks@titlePage@header{%
                    {\sc\ifthesis@blocks@titlePage@university@%
1008
                                            \verb|\thesis@titlePage@LARGE\thesis@@{universityName}| \end{continuous} $$ \thesis@titlePage@LARGE\thesis@titlePage@LARGE\thesis@titlePage@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thesis@thes
1009
                         \fi\ifthesis@blocks@titlePage@faculty@%
1010
                                             \thesis@titlePage@Large\thesis@@{facultyName}\\%
1011
                         \fi\ifthesis@blocks@titlePage@department@%
1012
                                             \thesis@titlePage@large\thesis@department\\%
1013
```

```
\fi}
                                                              1014
                                                                         \ifthesis@blocks@titlePage@field@%
                                                              1015
                                                                              {\thesis@titlePage@large\vskip 1em%
                                                              1016
                                                                                  {\bf\thesis@@{fieldTitle}:} \thesis@field}%
                                                              1017
                                                              1018 \fi\vskip 2em}
                                                              {\tt 1019 \ let \ thesis@blocks@cover@content=\tt thesis@blocks@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover@cover.
                                                              1020 \let\thesis@blocks@titlePage@footer=\thesis@blocks@cover@footer
                                                             The \thesis@blocks@tables private macro typesets the table of contents and op-
          \thesis@blocks@tables
                                                              tionally the \listoftables and the \listoffigures.
                                                              1021 \def\thesis@blocks@tables{%
                                                              1022 \thesis@blocks@clear%
                                                              1023 \tableofcontents%
                                                                         \thesis@blocks@lot%
                                                              1025 \thesis@blocks@lof}
\thesis@blocks@declaration
                                                             The \thesis@blocks@declaration private macro typesets the declaration text.
                                                              1026 \def\thesis@blocks@declaration{%
                                                              1027
                                                                         \thesis@blocks@clear%
                                                              1028 \begin{alwayssingle}%
                                                                              \chapter*{\thesis@@{declarationTitle}}%
                                                              1029
                                                              1030
                                                                              \thesis@declaration%
                                                              1031
                                                                              \vskip 2cm%
                                                                              \hfill\thesis@author%
                                                              1032
                                                              1033 \end{alwayssingle}}
          \thesis@blocks@thanks
                                                              The \thesis@blocks@thanks private macro typesets the acknowledgement, if the
                                                              \thesis@thanks private macro is defined.
                                                              1034 \def\thesis@blocks@thanks{%
                                                              1035
                                                                        \ifx\thesis@thanks\undefined\else%
                                                                              \thesis@blocks@clear%
                                                              1036
                                                              1037
                                                                              \begin{alwayssingle}%
                                                                                  \chapter*{\vspace*{\fill}\thesis@@{thanksTitle}}%
                                                              1038
                                                                                  \thesis@thanks%
                                                              1039
                                                                              \end{alwayssingle}%
                                                              1040
                                                              1041
                                                                         \fi}
                                                             The \thesis@blocks@abstract private macro typesets the abstract.
      \thesis@blocks@abstract
                                                              1042 \def\thesis@blocks@abstract{%
                                                                         \begin{alwayssingle}%
                                                                              % Start the new chapter without clearing the right page
                                                              1044
                                                              1045
                                                                              {\def\cleardoublepage{}
                                                                              \chapter*{\thesis@@{abstractTitle}}}%
                                                              1046
                                                                              \noindent\thesis@abstract%
                                                              1047
                                                                              \par\vfil\null%
                                                              1048
                                                              1049
                                                                         \end{alwayssingle}}
                                                             The \thesis@blocks@abstractEn private macro typesets the abstract in English.
  \thesis@blocks@abstractEn
```

uses this block needs to require the English locale.

If the current locale is English, the macro produces no output. A style file that

```
1050 \def\thesis@blocks@abstractEn{%
    \ifthesis@english\else%
1052
       \begin{alwayssingle}%
         % Start the new chapter without clearing the right page
1053
         {\def\cleardoublepage{}%
1054
1055
         \chapter*{\thesis@{english@abstractTitle}}%
1056
         \thesis@abstractEn}%
         \par\vfil\null%
1057
1058
       \end{alwayssingle}%
1059
     \fi}
```

\thesis@blocks@keywords

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

```
1060 \def\thesis@blocks@keywords{%
1061 \begin{alwayssingle}%
1062  % Start the new chapter without clearing the right page
1063  {\def\cleardoublepage{}%
1064  \chapter*{\thesis@e{keywordsTitle}}%
1065  \noindent\thesis@TeXkeywords}%
1066  \par\vfil\null%
1067 \end{alwayssingle}}
```

\thesis@blocks@keywordsEn

The \thesis@blocks@keywordsEn private macro typesets the keywords in English. If the current locale is English, the macro produces no output. A style file that uses this block needs to require the English locale.

```
1068 \def\thesis@blocks@keywordsEn{%
1069
     \ifthesis@english\else%
1070
       \begin{alwayssingle}%
         % Start the new chapter without clearing the right page
1071
         {\def\cleardoublepage{}%
1072
         \chapter*{\thesis@{english@keywordsTitle}}%
1073
1074
         \thesis@TeXkeywordsEn}%
         \par\vfil\null%
1075
       \end{alwayssingle}%
1076
1077
     \fi}
```

\thesis@blocks@assignment

The \thesis@blocks@assignment private macro either typesets a blank page to be replaced with the official thesis assignment or injects the file located at the \thesis@assignmentPDF path, if defined. In case of a rigorous thesis, the macro expands to an empty token string.

```
1078 \def\thesis@blocks@assignment{%
1079 \ifx\thesis@type\thesis@rigorous\else%
       \thesis@blocks@clear%
1080
       \ifx\thesis@assignmentFiles\undefined%
1081
1082
         \begin{alwayssingle}%
1083
            \thispagestyle{empty}
1084
            \addtocounter{page}{-\ifthesis@twoside@2\else1\fi}
            \noindent\textit{\thesis@@{assignment}}%
1085
1086
         \end{alwayssingle}%
       \else%
1087
```

```
1088 {\def\@empty{}\edef\@pdfList{\thesis@assignmentFiles}%
1089 \if\@pdfList\@empty\else%
1090 \expandafter\includepdfmerge\expandafter{\@pdfList}%
1091 \fi}%
1092 \fi\thesis@blocks@clear
1093 \fi}
```

\thesis@blocks@mainMatter

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

```
1094 \def\thesis@blocks@mainMatter{%
1095 \thesis@blocks@clear
1096 \setcounter{page}{1}
1097 \pagenumbering{arabic}
1098 \pagestyle{thesisheadings}
1099 \parindent 1.5em\relax}
```

The rest of the file comprises redefinitions of LATEX commands and private rapport3 class macros altering the layout of the resulting document. Depending on the type size of 10, 11 or 12 points, either the fithesis3-10.clo, fithesis3-11.cloorfithesis3-12.clofile is loaded from the \thesis@stylepath mu directory, respectively.

```
1100% Table of contents will contain sectioning commands up to
1101% \subsubsection
1102 \setcounter{tocdepth}{4}
1104% Load the 'fithesis3-1*.clo' size option
1105 \input\thesis@stylepath mu/fithesis3-1\thesis@ptsize.clo\relax
1107 \def\ps@thesisheadings{%
1108 \def\chaptermark##1{%
1109 \markright{%
1110 \ifnum\c@secnumdepth >\m@ne
1111 \thechapter.\ %
1112 \fi ##1}}
1113 \let\@oddfoot\@empty
1114 \let\@oddhead\@empty
1115 \def\@oddhead{\vbox{\hbox to \textwidth{%
1116 \hfil{\sc\rightmark}}\vskip 4pt\hrule}}
1117 \if@twoside
1118 \def\@evenhead{\vbox{\hbox to \textwidth{%
1119 {\sc\rightmark}\hfil}\vskip 4pt\hrule}}
1120 \else
1121 \let\@evenhead\@oddhead
1122\fi
1123 \def\@oddfoot{\hfil\PageFont\thepage}
1124 \if@twoside
1125 \def\@evenfoot{\PageFont\thepage\hfil}%
1126 \else
1127 \let\@evenfoot\@oddfoot
```

```
1128\fi
1129 \let\@mkboth\markboth
1130 }
1131
1132% Redefines the style of the chapter headings
1133 \renewcommand*\chapter{%
1134 \if@twoside
1135 \clearpage
1136 \thispagestyle{empty}
1137 \cleardoublepage
1138 \else
1139 \clearpage
1140\fi
1141 \thispagestyle{plain}%
1142 \global\@topnum\z@
1143 \@afterindentfalse
1144 \secdef\@chapter\@schapter}
1146% Redefines the style of part headings
1147 \renewcommand*\part{%
1148 \clearpage
1149 \thispagestyle{empty}
1150 \cleardoublepage
1151 \thispagestyle{empty}%
1152 \if@twocolumn%
1153 \onecolumn
1154 \@tempswatrue
1155 \else
1156 \@tempswafalse
1157 \fi
1158 \hbox{}\vfil
1159 \secdef\@part\@spart}
1161 \newif\if@restonecol
1162 \def\alwayssingle{%
1163 \@restonecolfalse\if@twocolumn\@restonecoltrue\onecolumn\fi}
1164 \def\endalwayssingle{\if@restonecol\twocolumn\fi}
1165
1166 \renewcommand*\l@part[2]{%
     \ifnum \c@tocdepth >-2\relax
1167
1168
       \addpenalty{-\@highpenalty}%
1169
       \addvspace{0.5em \@plus\p@}%
       \begingroup
1170
         \setlength\@tempdima{3em}%
1171
1172
         \parindent \z@ \rightskip \@pnumwidth
1173
         \parfillskip -\@pnumwidth
1174
         {\leavevmode
          1175
1176
          \nobreak
            \global\@nobreaktrue
1177
```

```
\everypar{\global\@nobreakfalse\everypar{}}%
1178
1179
                          \endgroup
                          \addvspace{0.2em \@plus\p@}%
1180
                  \fi}
1181
1182
1183 \renewcommand*\l@chapter[2]{%
1184
                  \ifnum \c@tocdepth >\m@ne
                          \addpenalty{-\@highpenalty}%
1185
                          \vskip 1.0em \@plus\p@
1186
                          \setlength\@tempdima{1.5em}%
1187
                          \begingroup
1188
                                 \parindent \z@ \rightskip \@pnumwidth
1189
1190
                                 \parfillskip -\@pnumwidth
                                 \leavevmode \bfseries
1191
                                 \advance\leftskip\@tempdima
1192
                                 \hskip -\leftskip
1193
                                 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1194
                                 \penalty\@highpenalty
1195
1196
                          \endgroup
1197
                  \fi}
1198
1199 \renewcommand*\l@chapter{\@dottedtocline{1}{0em}{1.5em}}
1200 \mbox{ } 
1201 \renewcommand*\l@subsection{\@dottedtocline{2}{3.8em}{3.2em}}
1202 \renewcommand*\l@subsubsection{\@dottedtocline{2}{7.0em}{3.8em}}
```

3.6.2.3 The style/mu/fit10.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.

```
1203 (*opt)
1204 (*10pt)
1205 \ProvidesFile{fit10.clo}[2015/04/08]
1208 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1209 \belowdisplayskip \abovedisplayskip
1210 \abovedisplayshortskip \z@ plus3\p@
1211 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1212 \let\@listi\@listI}
1213
1214 \renewcommand{\small}{\fontsize\@ixpt{11}\selectfont%
1215 \abovedisplayskip 8.5\p@ plus3\p@ minus4\p@
1216 \belowdisplayskip \abovedisplayskip
1217 \abovedisplayshortskip \z@ plus2\p@
1218 \belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
1219 \def\@listi{\leftmargin\leftmargini
1220 \topsep 4\p@ plus2\p@ minus2\p@\parsep 2\p@ plus\p@ minus\p@
1221 \itemsep \parsep}}
1222
```

```
1223 \renewcommand{\footnotesize}{\fontsize\@viiipt{9.5}\selectfont%
1224 \abovedisplayskip 6\p@ plus2\p@ minus4\p@
1225 \belowdisplayskip \abovedisplayskip
1226 \abovedisplayshortskip \z@ plus\p@
1227 \belowdisplayshortskip 3\p@ plus\p@ minus2\p@
1228 \def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
1229 \topsep 3\p@ plus\p@ minus\p@\parsep 2\p@ plus\p@ minus\p@
1230 \itemsep \parsep}}
1231
1232 \renewcommand{\scriptsize}{\fontsize\@viipt{8pt}\selectfont}
1233 \renewcommand{\tiny}{\fontsize\@vpt{6pt}\selectfont}
1234 \ensuremath{\arge}{\fontsize\ensuremath{\arge}}\
1235 \renewcommand{\Large}{\fontsize\@xivpt{18pt}\selectfont}
1236 \renewcommand{\LARGE}{\fontsize\@xviipt{22pt}\selectfont}
1237 \renewcommand{\huge}{\fontsize\@xxpt{25pt}\selectfont}
1238 \renewcommand{\Huge}{\fontsize\@xxvpt{30pt}\selectfont}
1239
1240 (/10pt)
```

3.6.2.4 The style/mu/fit11.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.

```
1241 (*11pt)
1242 \ProvidesFile{fit11.clo}[2015/04/08]
1243
1245 \abovedisplayskip 11\p@ plus3\p@ minus6\p@
1246 \belowdisplayskip \abovedisplayskip
1247 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1248 %\abovedisplayshortskip \z@ plus3\@p
1249 \let\@listi\@listI}
1251 \renewcommand{\small}{\fontsize\@xpt{12}\selectfont%
1252 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1253 \belowdisplayskip \abovedisplayskip
1254 \abovedisplayshortskip \z@ plus3\p@
1255 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1256 \def\@listi{\leftmargin\leftmargini
1257 \topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
1258 \itemsep \parsep}}
1261 \abovedisplayskip 8\p@ plus2\p@ minus4\p@
1262 \belowdisplayskip \abovedisplayskip
1263 \abovedisplayshortskip \z@ plus\p@
1264 \belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
1265 \def\@listi{\leftmargin\leftmargini
1266 \topsep 4\p@ plus2\p@ minus2\p@\parsep 2\p@ plus\p@ minus\p@
1267 \itemsep \parsep}}
```

```
\label{thm:linear_lemmand} $$1268$ $$1269 \end{\scriptsize}{\fontsize\end{0.5pt}\selectfont} $$1270 \end{\arge}{\fontsize\end{0.4pt}\selectfont} $$1271 \end{\arge}{\fontsize\end{0.4pt}\selectfont} $$1272 \end{\arge}{\fontsize\end{0.4pt}\selectfont} $$1273 \end{\arge}{\fontsize\end{0.4pt}\selectfont} $$1273 \end{\arge}{\fontsize\end{0.4pt}\selectfont} $$1274 \end{\arge}{\fontsize\end{0.4pt}\selectfont} $$1275 \end{\arge}\selectfont} $$1276$ $$1277 \dashed{\arge}\selectfont} $$
```

3.6.2.5 The style/mu/fit12.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 private macros as well:

\thesis@titlePage@normalsize

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

\thesis@titlePage@small

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

\thesis@titlePage@footnotesize

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

\thesis@titlePage@scriptsize

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

\thesis@titlePage@tiny

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

\thesis@titlePage@large

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

\thesis@titlePage@Large

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

\thesis@titlePage@LARGE

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

\thesis@titlePage@huge

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

\thesis@titlePage@Huge

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

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

```
1278 (*12pt)
1279 \ProvidesFile{fit12.clo}[2015/04/08]
1280 (/12pt)
1281
1282 \def\thesis@titlePage@normalsize{\fontsize\@xiipt{14.5}%
1283 \selectfont\abovedisplayskip 12\p@ plus3\p@ minus7\p@
1284 \belowdisplayskip \abovedisplayskip
1285 \abovedisplayshortskip \z@ plus3\p@
1286 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1287 \let\@listi\@listI}
1288
1289 \def\thesis@titlePage@small{\fontsize\@xipt{13.6}\selectfont%
1290 \abovedisplayskip 11\p@ plus3\p@ minus6\p@
```

```
1291 \belowdisplayskip \abovedisplayskip
1292 \abovedisplayshortskip \z@ plus3\p@
1293 \belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
1294 \def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
1295 \parsep 4.5\p@ plus2\p@ minus\p@
1296
               \itemsep \parsep
1297
               \topsep 9\p@ plus3\p@ minus5\p@}}
1298
1299 \def\thesis@titlePage@footnotesize{\fontsize\@xpt{12}\selectfont%
1300 \abovedisplayskip 10\p@ plus2\p@ minus5\p@
1301 \belowdisplayskip \abovedisplayskip
1302 \abovedisplayshortskip \z@ plus3\p@
1303 \belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
1304 \def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
1305 \topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
1306 \itemsep \parsep}}
1307
1308 \def\thesis@titlePage@scriptsize{\fontsize\@viiipt{9.5pt}\selectfont}
1309 \def\thesis@titlePage@tiny{\fontsize\@vipt{7pt}\selectfont}
1310 \def\thesis@titlePage@large{\fontsize\@xivpt{18pt}\selectfont}
1311 \def\thesis@titlePage@Large{\fontsize\@xviipt{22pt}\selectfont}
1313 \def\thesis@titlePage@huge{\fontsize\@xxvpt{30pt}\selectfont}
1314 \def\thesis@titlePage@Huge{\fontsize\@xxvpt{30pt}\selectfont}
1315
1316 (*12pt)
1317 \renewcommand{\normalsize}{\thesis@titlePage@normalsize}
1318 \renewcommand{\small}{\thesis@titlePage@small}
1319 \renewcommand{\footnotesize}{\thesis@titlePage@footnotesize}
1320 \renewcommand{\scriptsize}{\thesis@titlePage@scriptsize}
1321 \renewcommand{\tiny}{\thesis@titlePage@tiny}
1322 \renewcommand{\large}{\thesis@titlePage@large}
1323 \renewcommand{\Large}{\thesis@titlePage@Large}
1324 \renewcommand{\LARGE}{\thesis@titlePage@LARGE}
1325 \renewcommand{\huge}{\thesis@titlePage@huge}
1326 \renewcommand{\Huge}{\thesis@titlePage@Huge}
1327 \langle/12pt\rangle
1328 \let\@normalsize\normalsize
1329 \normalsize
1331 \if@twoside
1332
      \oddsidemargin 0.75in
      \evensidemargin 0.4in
1333
      \marginparwidth 0pt
1334
1335 \else
1336
      \oddsidemargin 0.75in
1337
      \evensidemargin 0.75in
1338
      \marginparwidth 0pt
1339 \fi
1340 \marginparsep 10pt
```

```
1342 \topmargin 0.4in
1343
1344 \headheight 20pt
1345 \headsep 10pt
1346 \topskip 10pt
1347 \footskip 30pt
1348
1349 (*10pt)
1350 \textheight = 43\baselineskip
1351 \advance\textheight by \topskip
1352 \textwidth 5.0truein
1353 \columnsep 10pt
1354 \columnseprule 0pt
1355
1356 \footnotesep 6.65pt
1357 \skip\footins 9pt plus 4pt minus 2pt
1358 \floatsep 12pt plus 2pt minus 2pt
1359 \textfloatsep 20pt plus 2pt minus 4pt
1360 \intextsep 12pt plus 2pt minus 2pt
1361 \dblfloatsep 12pt plus 2pt minus 2pt
1362 \dbltextfloatsep 20pt plus 2pt minus 4pt
1364 \@fptop Opt plus 1fil
1365 \@fpsep 8pt plus 2fil
1366 \@fpbot Opt plus 1fil
1367 \@dblfptop 0pt plus 1fil
1368 \@dblfpsep 8pt plus 2fil
1369 \@dblfpbot 0pt plus 1fil
1370 \marginparpush 5pt
1371
1372 \parskip Opt plus 1pt
1373 \partopsep 2pt plus 1pt minus 1pt
1375 \langle /10pt \rangle
1376 %
1377 (*11pt)
1378 \textheight = 39\baselineskip
1379 \advance\textheight by \topskip
1380 \textwidth 5.0truein
1381 \columnsep 10pt
1382 \columnseprule 0pt
1383
1384 \footnotesep 7.7pt
1385\skip\footins 10pt plus 4pt minus 2pt
1386 \floatsep 12pt plus 2pt minus 2pt
1387 \textfloatsep 20pt plus 2pt minus 4pt
1388 \intextsep 12pt plus 2pt minus 2pt
1389 \dblfloatsep 12pt plus 2pt minus 2pt
1390 \dbltextfloatsep 20pt plus 2pt minus 4pt
```

```
1392 \@fptop Opt plus 1fil
1393 \@fpsep 8pt plus 2fil
1394 \@fpbot Opt plus 1fil
1395 \@dblfptop 0pt plus 1fil
1396 \@dblfpsep 8pt plus 2fil
1397 \@dblfpbot 0pt plus 1fil
1398 \marginparpush 5pt
1399
1400 \parskip Opt plus Opt
1401 \partopsep 3pt plus 1pt minus 2pt
1402
1403 (/11pt)
1404 %
1405 (*12pt)
1406 \textheight = 37\baselineskip
1407 \advance\textheight by \topskip
1408 \textwidth 5.0truein
1409 \columnsep 10pt
1410 \columnseprule 0pt
1412 \footnotesep 8.4pt
1413 \skip\footins 10.8pt plus 4pt minus 2pt
1414 \floatsep 14pt plus 2pt minus 4pt
1415 \textfloatsep 20pt plus 2pt minus 4pt
1416 \intextsep 14pt plus 4pt minus 4pt
1417 \dblfloatsep 14pt plus 2pt minus 4pt
1418 \dbltextfloatsep 20pt plus 2pt minus 4pt
1419
1420 \@fptop 0pt plus 1fil
1421 \@fpsep 10pt plus 2fil
1422 \@fpbot 0pt plus 1fil
1423 \@dblfptop 0pt plus 1fil
1424 \@dblfpsep 10pt plus 2fil
1425 \@dblfpbot 0pt plus 1fil
1426 \marginparpush 7pt
1427
1428\parskip Opt plus Opt
1429 \partopsep 3pt plus 2pt minus 2pt
1431 (/12pt)
1432 \@lowpenalty 51
1433 \@medpenalty 151
1434 \@highpenalty 301
1435 \@beginparpenalty -\@lowpenalty
                      -\@lowpenalty
1436 \@endparpenalty
1437 \@itempenalty
                      -\@lowpenalty
1439 \def\@makechapterhead#1{%
1440 {%
```

```
1441
                                                     \strut = x^2 \sin x
                                                     \space{2pt} \spa
 1442
                                                   \ifnum
 1443
                                                                  \c@secnumdepth >\m@ne
 1444
                                                                  \par\nobreak
 1445
 1446
                                                                 \vskip 10\p@
 1447
                                                     \fi
                                                     \Large \ChapFont \thechapter{} \space #1\par
 1448
 1449
                                                     \nobreak
                                                   \vskip 20\p@
 1450
 1451
                                     }%
 1452 }
 1453
 1454 \def\@makeschapterhead#1{%
 1455
                                                   \space{2.5cm} 
 1456
                                                     \space{20} \space{20
 1457
                                                     \Large \ChapFont #1\par
 1458
 1459
                                                   \nobreak
 1460
                                                   \vskip 20\p@
                                     }%
 1461
 1462 }
 1463
 1464 \def\chapter{%
 1465
                                              \clearpage
 1466
                                              \thispagestyle{plain}
 1467
                                              \global\ensuremath{\mbox{\tt Qtopnum}\sl}
                                              \@afterindentfalse
 1468
                                              \secdef\@chapter\@schapter
 1469
1470 }
1471
 1472 \def\@chapter[#1]#2{%
 1473
                                     \ifnum \c@secnumdepth
 1474
                                                   >\m@ne
 1475
                                                     \refstepcounter{chapter}%
 1476
                                                     \typeout{\@chapapp\space\thechapter.}%
                                                     \addcontentsline{toc}{chapter}{\protect
 1477
                                                     \numberline{\thechapter}\bfseries #1}
 1478
 1479
                                      \else%
                                                   \addcontentsline{toc}{chapter}{\bfseries #1}
 1480
 1481
                                     \fi
 1482
                                     \chaptermark{#1}%
                                     \addtocontents{lof}%
 1483
                                     {\protect\addvspace{4\p@}}
 1484
 1485
                                     \addtocontents{lot}%
 1486
                                     {\protect\addvspace{4\p@}}
 1487
                                      \if@twocolumn
                                                     \@topnewpage[\@makechapterhead{#2}]%
 1488
 1489
                                     \else
                                                     \@makechapterhead{#2}%
 1490
```

```
\@afterheading
1491
1492
                \fi
1493 }
1494
1495 \% \end{thm} $$ 1495
                                           \else \@makeschapterhead{#1}%
1497 %
                                                                 \markright{#1}
1498 %
                                                                 \@afterheading\fi}
1499
-.2ex}{2.3ex plus.2ex}{\reset@font\large\bfseries}}
1502 \def\subsection{\ensuremath{\mathchar`}{2}{\ze}{-3.25ex plus-1ex}}
                         minus-.2ex}{1.5ex plus.2ex}{\reset@font\normalsize\bfseries}}
1504\def\subsubsection{\ensuremath{\subsubsection}{3}{\z@}{-3.25ex plus}
                          -1ex minus-.2ex}{1.5ex plus.2ex}{\reset@font\normalsize}}
1506 \def\paragraph{\@startsection
                         {paragraph}{4}{\z@}{3.25ex plus1ex minus.2ex}{-1em}{\reset@font}
1507
                          \normalsize\bfseries}}
1508
1509 \def\subparagraph{\@startsection
1510
                              {subparagraph}{4}{\parindent}{3.25ex plus1ex minus
                              .2ex}{-1em}{\reset@font\normalsize\bfseries}}
1511
1512
1513 \setcounter{secnumdepth}{2}
1514
1515 \def\appendix{\par
                \setcounter{chapter}{0}%
                  \setcounter{section}{0}%
1517
1518
                  \def\@chapapp{\appendixname}%
                 \def\thechapter{\Alph{chapter}}}
1519
1520
1521 \leftmargini 2.5em
1522 \leftmarginii 2.2em
                                                                                                % > \labelsep + width of '(m)'
1523 \leftmarginiii 1.87em % > \labelsep + width of 'vii.'
                                                                                                % > \labelsep + width of 'M.'
1524 \leftmarginiv 1.7em
1525 \leftmarginv 1em
1526 \leftmarginvi 1em
1527
1528 \leftmargin\leftmargini
1529 \labelsep .5em
1530 \labelwidth\leftmargini\advance\labelwidth-\labelsep
1531
1532 (*10pt)
1533 \end{area} $$1533 \end{
1534 \topsep 8\p@ plus2\p@ minus4\p@
1535 \itemsep 4\p@ plus2\p@ minus\p@}
1537 \let\@listi\@listI
1538 \@listi
1539
1540 \def\@listii{\leftmargin\leftmarginii
```

```
\labelwidth\leftmarginii\advance\labelwidth-\labelsep
1541
       \topsep 4\p@ plus2\p@ minus\p@
1542
1543
      \parsep 2\p@ plus\p@ minus\p@
      \itemsep \parsep}
1544
1545
1546 \def\@listiii{\leftmargin\leftmarginiii
1547
       \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1548
        \topsep 2\p@ plus\p@ minus\p@
        \parsep \z@ \partopsep\p@ plus\z@ minus\p@
1549
       \itemsep \topsep}
1550
1551
1552 \def\@listiv{\leftmargin\leftmarginiv
1553
        \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1554
1555 \def\@listv{\leftmargin\leftmarginv
         \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1556
1557
1558 \def\@listvi{\leftmargin\leftmarginvi
         \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1560 (/10pt)
1561 %
1562 (*11pt)
1563 \det \ell = 1.5  \def\@listI{\leftmargin\leftmargini \parsep 4.5\p@ plus2\p@ minus\p@
1564 \topsep 9\p@ plus3\p@ minus5\p@
1565 \itemsep 4.5\p@ plus2\p@ minus\p@}
1566
1567 \let\@listi\@listI
1568 \@listi
1569
1570 \def\@listii{\leftmargin\leftmarginii
      \labelwidth\leftmarginii\advance\labelwidth-\labelsep
1571
1572
      \topsep 4.5\p@ plus2\p@ minus\p@
1573
      \parsep 2\p@ plus\p@ minus\p@
      \itemsep \parsep}
1574
1575
1576 \def\@listiii{\leftmargin\leftmarginiii
        \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1577
1578
        \topsep 2\p@ plus\p@ minus\p@
1579
        \parsep \z@ \partopsep \p@ plus\z@ minus\p@
        \itemsep \topsep}
1580
1581
1582 \def\@listiv{\leftmargin\leftmarginiv
         \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1583
1584
1585 \def\@listv{\leftmargin\leftmarginv
1586
         \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1587
1588 \def\@listvi{\leftmargin\leftmarginvi
1589
         \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1590 (/11pt)
```

```
1591 %
1592 (*12pt)
1593 \det \ell = 1593 \det \ell 
1594 \topsep 10\p@ plus4\p@ minus6\p@
1595 \itemsep 5\p0 plus2.5\p0 minus\p0
1597 \let\@listi\@listI
1598 \@listi
1599
1600 \def\@listii{\leftmargin\leftmarginii
                            \labelwidth\leftmarginii\advance\labelwidth-\labelsep
1601
1602
                            topsep 5\p@ plus2.5\p@ minus\p@
1603
                            \parsep 2.5\p@ plus\p@ minus\p@
                            \itemsep \parsep}
1604
1605
1606 \def\@listiii{\leftmargin\leftmarginiii
                                \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
1607
                                \topsep 2.5\p@ plus\p@ minus\p@
1608
1609
                                \parsep \z@ \partopsep \p@ plus\z@ minus\p@
1610
                                \itemsep \topsep}
1611
1612 \def\@listiv{\leftmargin\leftmarginiv
                                     \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}
1613
1614
1615 \def\@listv{\leftmargin\leftmarginv
                                     \labelwidth\leftmarginv\advance\labelwidth-\labelsep}
1616
1617
1618 \def\@listvi{\leftmargin\leftmarginvi
                                     \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
1619
1620 \langle /12pt \rangle
1621 (/opt)
```

3.6.3 The style files of the Faculty of Informatics

3.6.3.1 The style/mu/fithesis3-fi.sty file

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

```
1622 \NeedsTeXFormat{LaTeX2e}
1623 \ProvidesPackage{fithesis3/style/mu/fithesis3-fi}[2015/05/02]
The file defines the color used with the hyperlinks.
1624 \thesis@color@setup{
1625 links={HTML}{FFD451},
1626 tableEmph={HTML}{FFD451},
1627 tableOdd={HTML}{FFF9E5},
1628 tableEven={HTML}{FFECB3}}
```

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

\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 private macros:

\thesis@advisorSignature

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

```
1629 \def\thesis@blocks@titlePage@content{%
1630
       {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}\vskip 0.8in
1631
       {\thesis@titlePage@large\sc\thesis@@{typeName}\\[0.3in]}
       {\thesis@titlePage@Large\bf\thesis@author}
1632
1633
       % If this is a rigorous thesis, typeset the name of the
1634
       % thesis advisor.
1635
       \ifx\thesis@type\thesis@rigorous%
         {\thesis@titlePage@large\\[0.3in]
1636
            {\bf\thesis@@{advisorTitle}:} \thesis@advisor}
1637
       \fi}%
1638
1639 \def\thesis@blocks@titlePage@footer{%
     {\thesis@titlePage@large\thesis@place, \thesis@@{semester}
1641 % If this is a rigorous thesis, create space for the advisor's
1642 % signature
     \ifx\thesis@type\thesis@rigorous%
       \let\@A\relax\newlength{\@A}
         \settowidth{\@A}{\thesis@@{advisorSignature}}
1645
1646
         \left( A^{\Omega} \right) 
1647
       \hfill\raisebox{-0.5em}{\parbox{\@A}{
1648
         \centering
1649
         \rule{\@A}{1pt}\\
         \thesis@@{advisorSignature}
1650
       }}
1651
     \fi}}
1652
```

\thesis@blocks@declaration

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

```
1653 \def\thesis@blocks@declaration{%
     \thesis@blocks@clear%
1654
1655
     \begin{alwayssingle}%
       \chapter*{\thesis@@{declarationTitle}}%
1656
       \thesis@declaration%
1657
       \vskip 2cm%
1658
       \hfill\thesis@author%
1659
       \par\vfill%
1660
       \textbf{\thesis@@{advisorTitle}:} \thesis@advisor%
1661
       \par\vfil%
1662
     \end{alwayssingle}}
1663
```

The style file defines the autolayout preamble as the cover and the title page followed by the assignment, declaration, acknowledgement, abstract, keywords, ta-

ble of contents and list of tables and figures as a part of the front matter. All blocks beside \thesis@titlePage are defined in the style/mu/base.sty file.

```
1664 \def\thesis@preamble{%
1665 \thesis@blocks@cover%
1666
     \thesis@blocks@titlePage%
1667 \thesis@blocks@frontMatter%
1668
       \thesis@blocks@assignment%
1669
       \thesis@blocks@declaration%
1670
       \thesis@blocks@thanks%
       \thesis@blocks@clearRight%
1671
1672
         \thesis@blocks@abstract%
         \thesis@blocks@keywords%
1673
     \thesis@blocks@tables%
1674
1675 \thesis@blocks@mainMatter}
```

3.6.4 The style files of the Faculty of Science

3.6.4.1 The style/mu/fithesis3-sci.sty file

This is the style file for the theses written at the Faculty of Science at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty².

```
1676 \NeedsTeXFormat{LaTeX2e}
1677 \ProvidesPackage{fithesis3/style/mu/fithesis3-sci}[2015/05/02]
```

The file defines the color used with the hyperlinks.

```
1678 \thesis@color@setup{
1679 links={HTML}{00AF3F},
1680 tableEmph={HTML}{00AF3F},
1681 tableOdd={HTML}{E0F5E8},
1682 tableEven={HTML}{B8E8C9}}
```

In addition to the main locale, the file also requires the Czech and English locales.

```
1683 \thesis@requireLocale{czech}
1684 \thesis@requireLocale{english}
```

The file loads the following packages:

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

```
1685 \thesis@require{tikz}
1686 \thesis@require{changepage}
```

\thesis@blocks@bibEntry

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

\thesis@czech@bib@title

• \thesis@czech@bib@title - The title of the \thesis@blocks@bib@title block

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

\thesis@czech@bib@author

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

\thesis@czech@bib@title

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

\thesis@czech@bib@programme

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

\thesis@czech@bib@field

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

\thesis@czech@bib@advisor

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

\thesis@czech@bib@academicYear

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

\thesis@czech@bib@pages

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

\thesis@czech@bib@keywords

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

```
1687 \def\thesis@blocks@bibEntry{%
    \begin{alwayssingle}
1688
      \chapter*{\thesis@czech@bib@title}
1689
      {% Calculate the width of the columns
1690
      \let\@A\relax\newlength{\@A}\settowidth{\@A}{{%
1691
        \bf\thesis@czech@bib@author:}}
1692
      1693
        \bf\thesis@czech@bib@thesisTitle:}}
1694
1695
      \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
1696
        \bf\thesis@czech@bib@programme:}}
      \left(\D\right)\
1697
        \bf\thesis@czech@bib@field:}}
1698
      % Unless this is a rigorous thesis, we will be typesetting the
1699
      % name of the thesis advisor.
1700
      \let\@E\relax\newlength{\@E}
1701
        \ifx\thesis@type\thesis@rigorous%
1702
          \setlength{\@E}{0pt}%
1703
1704
        \else%
          \settowidth{\@E}{{\bf\thesis@czech@bib@advisor:}}
1705
        \fi%
1706
      \left( \F\right) = \left( \F\right) 
1707
1708
        \bf\thesis@czech@bib@academicYear:}}
1709
      \ \left( \G\right) \simeq \G(\G) \
        \bf\thesis@czech@bib@pages:}}
1710
      \left(\end{A}\right) \
1711
        \bf\thesis@czech@bib@keywords:}}
1712
      1713
      \label{left} $$ \left( \mathbb{C}^{\theta} \right) = \mathbb{C}^{\theta} .
1714
        \max(\0A, \0B, \0C, \0B, \0E, \0B, \0B, \0B)
1715
      \let\@right\relax\newlength{\@right}\setlength{\@right}{%
1716
        \textwidth-\@left-\@skip}
1717
      % Typeset the table
1718
      \renewcommand{\arraystretch}{2}
1719
      \begin{thesis@newtable@old}%
1720
1721
        \{0{p}(\theta)p{\theta}\
1722
        \textbf{\thesis@czech@bib@author:} &
```

```
\noindent\parbox[t]{\qright}{
1723
              \thesis@author\\
1724
              \thesis@czech@facultyName,
1725
              \thesis@czech@universityName\\
1726
              \thesis@department
1727
            }\\
1728
1729
          \textbf{\thesis@czech@bib@thesisTitle:}
1730
            & \thesis@title \\
          \textbf{\thesis@czech@bib@programme:}
1731
            & \thesis@programme \\
1732
          \textbf{\thesis@czech@bib@field:}
1733
1734
            & \thesis@field \\
          % Unless this is a rigorous thesis, typeset the name of the
1735
          % thesis advisor.
1736
          \ifx\thesis@type\thesis@rigorous\else%
1737
            \textbf{\thesis@czech@bib@advisor:}
1738
              & \thesis@advisor \\
1739
          \fi
1740
          \textbf{\thesis@czech@bib@academicYear:}
1741
1742
            & \thesis@academicYear \\
          \textbf{\thesis@czech@bib@pages:}
1743
            & \thesis@pages \\
1744
          \textbf{\thesis@czech@bib@keywords:}
1745
            & \thesis@TeXkeywords \\
1746
1747
        \end{thesis@newtable@old}}
1748
     \end{alwayssingle}}
```

\thesis@blocks@bibEntryEn

The \thesis@blocks@bibEntryEn private 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 private macros:

\thesis@english@bib@title

• \thesis@english@bib@title - The title of the \thesis@blocks@bibEntryEn 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 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

If the current locale is English, the macro produces no output.

```
1749 \def\thesis@blocks@bibEntryEn{%
     \ifthesis@english\else
1750
       {\def\thesis@locale{english}
1751
1752
       \begin{alwayssingle}
1753
         % Start the new chapter without clearing the right page
1754
         {\def\cleardoublepage{}%
         \chapter*{\thesis@english@bib@title}}%
1755
         {% Calculate the width of the columns
1756
         \ \left( \A\right) \
1757
1758
           \bf\thesis@english@bib@author:}}
         \let\@B\relax\newlength{\@B}\settowidth{\@B}{{%
1759
           \bf\thesis@english@bib@thesisTitle:}}
1760
1761
         \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
           \bf\thesis@english@bib@programme:}}
1762
         \ \left( \mathbb{QD}\right) \
1763
           \bf\thesis@english@bib@field:}}
1764
         % Unless this is a rigorous thesis, we will be typesetting
1765
1766
         % the name of the thesis advisor.
         \let\@E\relax\newlength{\@E}
1767
           \ifx\thesis@type\thesis@rigorous%
1768
             \setlength{\@E}{0pt}%
1769
           \else%
1770
             \settowidth{\@E}{{\bf\thesis@english@bib@advisor:}}
1771
           \fi%
1772
         \let\@F\relax\newlength{\@F}\settowidth{\@F}{{%
1773
1774
           \bf\thesis@english@bib@academicYear:}}
         \let\@G\relax\newlength{\@G}\settowidth{\@G}{{%
1775
           \bf\thesis@english@bib@pages:}}
1776
         \left(\end{A}\right) \
1777
1778
           \bf\thesis@english@bib@keywords:}}
1779
         \let\@skip\relax\newlength{\@skip}\setlength{\@skip}{16pt}
1780
         \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
           max(\@A,\@B,\@C,\@D,\@E,\@F,\@G,\@H)}
1781
         1782
           \textwidth-\@left-\@skip}
1783
       % Typeset the table
1784
       \renewcommand{\arraystretch}{2}
1785
       \begin{thesis@newtable@old}%
1786
         {@{}p{\@left}@{\hskip\@skip}p{\@right}@{}}
1787
           \textbf{\thesis@english@bib@author:} &
1788
             \noindent\parbox[t]{\@right}{
1789
               \thesis@author\\
1790
1791
               \thesis@english@facultyName,
1792
               \thesis@english@universityName\\
               \thesis@departmentEn
1793
1794
             }\\
           \textbf{\thesis@english@bib@thesisTitle:}
1795
             & \thesis@titleEn \\
1796
```

```
\textbf{\thesis@english@bib@programme:}
1797
              & \thesis@programmeEn \\
1798
            \textbf{\thesis@english@bib@field:}
1799
              & \thesis@fieldEn \\
1800
            % Unless this is a rigorous thesis, typeset the name of the
1801
1802
            % thesis advisor.
1803
            \ifx\thesis@type\thesis@rigorous\else%
              \textbf{\thesis@english@bib@advisor:}
1804
                & \thesis@advisor \\
1805
1806
            \textbf{\thesis@english@bib@academicYear:}
1807
1808
              & \thesis@academicYear \\
            \textbf{\thesis@english@bib@pages:}
1809
              & \thesis@pages \\
1810
            \textbf{\thesis@english@bib@keywords:}
1811
              & \thesis@TeXkeywordsEn \\
1812
          \end{thesis@newtable@old}}
1813
       \end{alwayssingle}
1814
1815
     }\fi}
```

\thesis@blocks@frontMatter

The \thesis@blocks@frontMatter private 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.

```
1816 \def\thesis@blocks@frontMatter{%
1817 \pagestyle{empty}
1818 \parindent 1.5em
1819 \setcounter{page}{1}
1820 \pagenumbering{roman}}
```

\thesis@blocks@cover

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

```
1821 \def\thesis@blocks@cover{%
     \ifthesis@cover@
       \thesis@blocks@clear
1823
       \ifthesis@twoside@\@twosidefalse\fi % Temporarily disable twoside
1824
       \begin{alwayssingle}
1825
          \thispagestyle{empty}
1826
1827
          \begin{center}
          {\sc\thesis@titlePage@LARGE\thesis@czech@universityName\\%
1828
1829
              \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%
1830
              \thesis@titlePage@large\thesis@department}
          \vfill
1831
          {\bf\thesis@titlePage@Huge\thesis@czech@typeName}
1832
1833
          \vfill
          {\thesis@titlePage@large\thesis@place
1834
           \ \thesis@year\hfill\thesis@author}
1835
1836
          \end{center}
       \end{alwayssingle}
1837
       \ifthesis@twoside@\@twosidetrue\fi % Re-enable twoside
1838
     \fi}
1839
```

\thesis@blocks@titlePage

The \thesis@blocks@titlePage private 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.

```
1840 \def\thesis@blocks@titlePage{{%
     \edef\thesis@logopath@color{\thesis@logopath\ifthesis@color@ color/\fi}
1841
     \thesis@blocks@clear
     \ifthesis@twoside@\@twosidefalse\fi % Temporarily disable twoside
1843
     \begin{alwayssingle}
1844
       \thispagestyle{empty}
1845
       % The top of the page
1846
1847
       \begin{adjustwidth}{-12mm}{}
1848
          \begin{minipage}{30mm}
            \thesis@blocks@universityLogo@color[width=30mm]
1849
         \end{minipage}\begin{minipage}{89mm}
1850
            \begin{center}
1851
              {\sc\thesis@titlePage@LARGE\thesis@czech@universityName\\%
1852
                  \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%
1853
                  \thesis@titlePage@normalsize\thesis@department}
1854
              \rule{\textwidth}{2pt}\vspace*{2mm}
1855
1856
            \end{center}
1857
         \end{minipage}\begin{minipage}{30mm}
            \thesis@blocks@facultyLogo@color[width=30mm]
1858
         \end{minipage}
1859
1860
       \end{adjustwidth}
1861
       % The middle of the page
       \vfill
1862
1863
       {\bf\thesis@titlePage@Huge\thesis@TeXtitle\\[0.8em]}
       {\thesis@titlePage@large\thesis@czech@typeName\\[1em]}
1864
       {\bf\thesis@titlePage@LARGE\thesis@author}\\
1865
       \vfill\noindent
1866
       % The bottom of the page
1867
       {\bf\thesis@titlePage@normalsize%
1868
1869
         % Unless this is a rigorous thesis, typeset the name of the
1870
         % thesis advisor.
1871
         \ifx\thesis@type\thesis@rigorous\else%
1872
              \thesis@czech@advisorTitle: \thesis@advisor\hfill%
1873
         \fi%
1874
         \thesis@place\ \thesis@year}
1875
     \end{alwayssingle}
     \ifthesis@twoside@\@twosidetrue\fi}} % Re-enable twoside
```

The style file defines the autolayout preamble as the cover and the title page followed by the bibliographic entry, the abstract assignment, acknowledgement, table of contents and list of tables and figures as a part of the front matter. All the blocks beside \thesis@blocks@bibEntry and \thesis@blocks@bibEntryEn are defined in the style/mu/base.sty file. The entire front matter is typeset as though the locale were Czech in accordance with the formal requirements of the faculty.

```
1877 \def\thesis@preamble{%
     {\def\thesis@locale{czech}%
1878
     \thesis@blocks@cover%
1879
     \thesis@blocks@frontMatter%
1880
       \thesis@blocks@titlePage%
1881
1882
       \thesis@blocks@clearRight%
1883
          \thesis@blocks@bibEntry%
          \thesis@blocks@bibEntryEn%
1884
          \thesis@blocks@abstract%
1885
          \thesis@blocks@abstractEn%
1886
       \thesis@blocks@assignment%
1887
1888
       \thesis@blocks@thanks%
       \thesis@blocks@declaration%
1889
       \thesis@blocks@tables}%
1890
     \thesis@blocks@mainMatter}
1891
```

3.6.5 The style files of the Faculty of Arts

3.6.5.1 The style/mu/fithesis3-phil.sty file

This is the style file for the theses written at the Faculty of Arts at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty³.

```
1892 \NeedsTeXFormat{LaTeX2e}
1893 \ProvidesPackage{fithesis3/style/mu/fithesis3-phil}[2015/04/26]
The file defines the color used with the hyperlinks.
1894 \thesis@color@setup{
1895 links={HTML}{00A1DE},
1896 tableEmph={HTML}{00A1DE},
1897 tableOdd={HTML}{E0F3FA},
1898 tableEven={HTML}{B8E4F5}}
```

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

```
1899 \thesis@blocks@titlePage@department@true 1900 \thesis@blocks@titlePage@field@true
```

The style file defines the autolayout preamble as the cover and the title page followed by the declaration, acknowledgement table of contents and the optional list of tables and figures as a part of the front matter. All blocks are defined in the style/mu/base.sty file.

```
1901 \def\thesis@preamble{%
1902 \thesis@blocks@cover%
1903 \thesis@blocks@titlePage%
1904 \thesis@blocks@frontMatter%
1905 \thesis@blocks@declaration%
1906 \thesis@blocks@thanks%
1907 \thesis@blocks@tables%
```

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

3.6.6 The style files of the Faculty of Education

3.6.6.1 The style/mu/fithesis3-ped.sty file

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

```
1909 \NeedsTeXFormat{LaTeX2e}
1910 \ProvidesPackage{fithesis3/style/mu/fithesis3-ped}[2015/04/26]
```

The file defines the color used with the hyperlinks.

```
1911 \thesis@color@setup{
1912    links={HTML}{FFA02F},
1913    tableEmph={HTML}{FFA02F},
1914    tableOdd={HTML}{FFF1E0},
1915    tableEven={HTML}{FFDEB7}}
```

In addition to the main locale, the file also requires the English locale.

1916 \thesis@requireLocale{english}

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

\thesis@blocks@bibEntry

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

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

```
1925 \def\thesis@blocks@bibEntry{%
1926 \chapter*{\thesis@e{bib@title}}
1927 \noindent\thesis@upper{author@tail}, \thesis@author@head.
1928 \emph{\thesis@title}. \thesis@place: \thesis@e{universityName},
1929 \thesis@e{facultyName}, \thesis@department, \thesis@year.
1930 \thesis@pages\ \thesis@e{bib@pages}.
1931 \thesis@e{advisorTitle}: \thesis@advisor.}
```

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

The style file defines the autolayout preamble as the cover and the title page followed by the bibliographical entry, abstracts, keywords, declaration, acknowledgement, table of contents and list of tables and figures as a part of the front matter. All blocks beside \thesis@blocks@bibEntry are defined in the style/mu/base.sty file.

```
1932 \def\thesis@preamble{%
1933
     \thesis@blocks@cover%
1934
     \thesis@blocks@titlePage%
     \thesis@blocks@frontMatter%
1935
       \thesis@blocks@bibEntry%
1936
1937
       \thesis@blocks@clearRight%
         \thesis@blocks@abstract%
1938
         \thesis@blocks@abstractEn%
1939
         \thesis@blocks@keywords%
1940
         \thesis@blocks@keywordsEn%
1941
       \thesis@blocks@declaration%
1942
1943
       \thesis@blocks@thanks%
1944
       \thesis@blocks@tables%
     \thesis@blocks@mainMatter}
1945
```

3.6.7 The style files of the Faculty of Social Studies

3.6.7.1 The style/mu/fithesis3-fss.sty file

1953 \thesis@requireLocale{english}

This is the style file for the theses written at the Faculty of Social Studies at the Masaryk University in Brno. Because of the inexistence of faculty-wide formal requirements and recommendations with each department defining their own with varying degrees of rigour⁵, this style is a mere skeleton, which is unlikely to satisfy the exact requirements of any department and will require modification by the user.

```
1946 \NeedsTeXFormat{LaTeX2e}
1947 \ProvidesPackage{fithesis3/style/mu/fithesis3-fss}[2015/04/26]
The file defines the color used with the hyperlinks.
1948 \thesis@color@setup{
1949    links={HTML}{007B69},
1950    tableEmph={HTML}{007B69},
1951    tableOdd={HTML}{E3F1EE},
1952    tableEven={HTML}{B8DAD5}}
```

In addition to the main locale, the file also requires the English locale.

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

The style file defines the autolayout preamble as the cover and the title page followed by the abstracts, keywords, assignment, declaration, acknowledgement, table of contents and list of tables and figures as a part of the front matter. All blocks are defined in the style/mu/base.sty file.

```
1954 \def\thesis@preamble{%
    \thesis@blocks@cover%
     \thesis@blocks@titlePage%
1956
     \thesis@blocks@frontMatter%
1957
       \thesis@blocks@clearRight%
1958
         \thesis@blocks@abstract%
1959
         \thesis@blocks@abstractEn%
1960
         \thesis@blocks@keywords%
1961
1962
         \thesis@blocks@keywordsEn%
1963
       \thesis@blocks@assignment%
       \thesis@blocks@declaration%
1964
       \thesis@blocks@thanks%
1965
       \thesis@blocks@tables%
1966
1967
     \thesis@blocks@mainMatter}
```

3.6.8 The style files of the Faculty of Law

3.6.8.1 The style/mu/fithesis3-law.sty file

This is the style file for the theses written at the Faculty of Law at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty 6 .

```
1968 \NeedsTeXFormat{LaTeX2e}
1969 \ProvidesPackage{fithesis3/style/mu/fithesis3-law}[2015/04/26]
The file defines the color used with the hyperlinks.
1970 \thesis@color@setup{
1971    links={HTML}{80379B},
1972    tableEmph={HTML}{80379B},
1973    tableOdd={HTML}{F0E7F3},
1974    tableEven={HTML}{D3BADC}}
```

In addition to the main locale, the file also requires the English locale.

```
1975 \thesis@requireLocale{english}
```

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 private macros:

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

 $^{^6\}mathrm{See}$ https://is.muni.cz/do/law/ud/predp/smer/S-07-2012.pdf

\thesis@blocks@frontMatter

The \thesis@blocks@frontMatter private macro sets up the style of the front matter of the thesis. The page numbering is arabic as per the formal requirements.

1980 \def\thesis@blocks@frontMatter{%

```
1981 \thesis@blocks@clear
1982 \pagestyle{plain}
1983 \parindent 1.5em
1984 \setcounter{page}{1}
1985 \pagenumbering{arabic}}
```

\thesis@blocks@mainMatter

The \thesis@blocks@mainMatter private 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.

```
1986 \def\thesis@blocks@mainMatter{%
1987 \thesis@blocks@clear
1988 \pagestyle{thesisheadings}
1989 \parindent 1.5em\relax}
```

The style file defines the autolayout preamble as the cover and the title page followed by the declaration, abstracts, keywords, acknowledgement, table of contents and list of tables and figures as a part of the front matter. All blocks are defined in the style/mu/base.sty file.

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

The style file defines the autolayout postamble as the assignment. This block is defined in the style/mu/base.sty file.

```
2003 \def\thesis@postamble{%
2004 \thesis@blocks@assignment}
```

3.6.9 The style files of the Faculty of Economics and Administration

3.6.9.1 The style/mu/fithesis3-econ.sty file

This is the style file for the theses written at the Faculty of Economics and Administration at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty⁷.

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

```
2005 \ensuremat{LaTeX2e} 2006 \ensuremat{ProvidesPackage{fithesis3/style/mu/fithesis3-econ}[2015/04/26]}
```

The file defines the color used with the hyperlinks.

```
2007 \thesis@color@setup{
2008 links={HTML}{7C211E},
2009 tableEmph={HTML}{7C211E},
2010 tableOdd={HTML}{EFE4E3},
2011 tableEven={HTML}{DAC1BF}}
```

In addition to the main locale, the file also requires the English locale.

2012 \thesis@requireLocale{english}

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.

```
2013 \thesis@require{tikz}
2014 \thesis@require{geometry}
2015 \geometry{top=25mm,bottom=20mm,left=25mm,right=25mm,includeheadfoot}
```

\thesis@blocks@cover

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

```
2016 \def\thesis@blocks@cover{%
2017 \ifthesis@cover@
2018
      \thesis@blocks@clear
      \begin{alwayssingle}
2019
2020
        \thispagestyle{empty}
2021
        \begin{center}
        2022
            \thesis@titlePage@Large\thesis@@{facultyName}\\}
2023
2024
        \vfill
        {\bf\thesis@titlePage@Huge\thesis@@{typeName}}
2025
2026
        \vfill
        {\thesis@titlePage@large\thesis@place
2027
         \ \thesis@year\hfill\thesis@author}
2028
        \end{center}
2029
      \end{alwayssingle}
2030
2031
    \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 as per the requirements of the faculty.

```
2032 \thesis@blocks@titlePage@field@true
2033 \def\thesis@blocks@titlePage@content{%
2034 {\thesis@titlePage@Huge\bf\thesis@TeXtitle}
```

```
\ifthesis@english\else
2035
      {\\[0.1in]\thesis@titlePage@Large\bf\thesis@TeXtitleEn}
2036
    \fi {\\[0.3in]\thesis@titlePage@large\sc\thesis@@{typeName}\\}}
2037
2038 \def\thesis@blocks@titlePage@footer{%
    {\thesis@titlePage@large
2040
      {% Calculate the width of the thesis author and advisor boxes
2041
       \left( \mathbb{A}\right) 
         \bf\thesis@@{advisorTitle}:}}
2042
       \let\@B\relax\newlength{\@B}\settowidth{\@B}{\thesis@advisor}
2043
       2044
         \bf\thesis@@{authorTitle}:}}
2045
       \label{OD}\
2046
      \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
2047
2048
        max(\QA, \QB)
      \let\@right\relax\newlength{\@right}\pgfmathsetlength{\@right}{%
2049
        max(\@C,\@D)}
2050
      % Typeset the thesis author and advisor boxes
2051
      \vskip 2in\begin{minipage}[t]{\@left}
2052
2053
        {\bf\thesis@@{advisorTitle}:}\\thesis@advisor
2054
      \end{minipage}\hfill\begin{minipage}[t]{\@right}
        {\bf\thesis@@{authorTitle}:}\\thesis@author
2055
      \end{minipage}}\\[4em]\thesis@place, \thesis@year}}
2056
```

\thesis@blocks@frontMatter

The \thesis@blocks@frontMatter private 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.

\thesis@blocks@mainMatter

The \thesis@blocks@mainMatter private 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.

```
2067 \def\thesis@blocks@mainMatter{%
2068  \thesis@blocks@clear
2069  \pagestyle{thesisheadings}
2070  \parindent 1.5em\relax}
The \thesis@blocks@toc private macro typesets the table of contents.
```

\thesis@blocks@toc Th

2071 \def\thesis@blocks@toc{%
2072 \thesis@blocks@clear%

```
2073 \tableofcontents}
2074% \end{macro}\begin{macro}{\thesis@blocks@tables}
2075% The |\thesis@blocks@tables| private macro optionally typesets the
2076% |\listoftables| and |\listoffigures|.
2077% \begin{macrocode}
2078 \def\thesis@blocks@tables{%
2079 \thesis@blocks@clear%
2080 \thesis@blocks@lot%
2081 \thesis@blocks@lof}
```

The style file defines the autolayout preamble as the cover and the title page followed by the abstracts, keywords, declaration, acknowledgement and table of contents. All blocks are defined in the style/mu/base.sty file, although some are redefined in this file.

```
2082 \def\thesis@preamble{%
2083
     \thesis@blocks@cover%
     \thesis@blocks@frontMatter%
2084
2085
       \thesis@blocks@titlePage%
2086
       \thesis@blocks@assignment%
2087
       \thesis@blocks@clearRight%
          \thesis@blocks@abstract%
2088
2089
          \thesis@blocks@abstractEn%
2090
          \thesis@blocks@keywords%
          \thesis@blocks@keywordsEn%
2091
2092
       \thesis@blocks@declaration%
       \thesis@blocks@thanks%
2093
2094
       \thesis@blocks@toc%
     \thesis@blocks@mainMatter}
```

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

```
2096 \def\thesis@postamble{%
2097 \thesis@blocks@tables}
```

3.6.10 The style files of the Faculty of Medicine

3.6.10.1 The style/mu/fithesis3-med.sty file

This is the style file for the theses written at the Faculty of Medicine at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the Department of Optometry and Orthoptics⁸.

```
2098 \NeedsTeXFormat{LaTeX2e}
2099 \ProvidesPackage{fithesis3/style/mu/fithesis3-med}[2015/04/27]
The file defines the color used with the hyperlinks.
2100 \thesis@color@setup{
2101 links={HTML}{F2532D},
```

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

```
2102 tableEmph={HTML}{F2532D},
2103 tableOdd={HTML}{FFE3E5},
2104 tableEven={HTML}{FFBFC2}}
```

In addition to the main locale, the file also requires the English locale.

2105 \thesis@requireLocale{english}

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.

```
2106 \thesis@require{tikz}
2107 \thesis@require{geometry}
2108 \thesis@require{setspace}
2109 \geometry{top=25mm,bottom=20mm,left=25mm,right=25mm,includeheadfoot}
```

\thesis@blocks@cover

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

```
2110 \def\thesis@blocks@cover{%
2111 \ifthesis@cover@
2112
       \thesis@blocks@clear
       \begin{alwayssingle}
2113
2114
         \thispagestyle{empty}
2115
         \begin{center}
2116
         {\sc\thesis@titlePage@LARGE\thesis@@{universityName}\\%
             \thesis@titlePage@Large\thesis@@{facultyName}\\}
2117
2118
         \vfill
         {\bf\thesis@titlePage@Huge\thesis@@{typeName}}
2119
2120
         \vfill
         {\thesis@titlePage@large\thesis@place
2121
          \ \thesis@year\hfill\thesis@author}
2122
2123
         \end{center}
       \end{alwayssingle}
2124
2125 \fi}
2126% \end{macro}
2127% The style file redefines the title page content
2128% not to include the author's name and the title page footer
2129% to include both the author's and advisor's name, the field of
2130 % study and the semester and place of the thesis defense as per
2131% the requirements of the department.
        \begin{macrocode}
2133 \def\thesis@blocks@titlePage@content{%
2134 {\theta \in \mathbb{Z}_{0.3in}}
    {\thesis@titlePage@large{\sc\thesis@@{typeName}}\\}}
2136 \def\thesis@blocks@titlePage@footer{%
```

```
{\thesis@titlePage@large
2137
                   {% Calculate the width of the thesis author and advisor boxes
2138
                       \left( A\right) = 1.00
2139
                            \bf\thesis@@{advisorTitle}:}}
2140
                       \left(\B\right)\right. \
2141
                      \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
2142
2143
                            \bf\thesis@@{authorTitle}:}}
                       \let\@D\relax\newlength{\@D}\settowidth{\@D}{\thesis@author}
2144
                       \let\@E\relax\newlength{\@E}\settowidth{\@E}{{%
2145
                            \bf\thesis@@{fieldTitle}:}}
2146
                       \ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ens
2147
                    2148
                         max(\@A,\@B)}
2149
                   \let\@right\relax\newlength{\@right}\pgfmathsetlength{\@right}{%
2150
                        max(\@C,\@D,\@E,\@F)}
2151
                   % Typeset the thesis author and advisor boxes
2152
                   \vskip 2in\begin{minipage}[t]{\@left}
2153
                         {\bf\thesis@@{advisorTitle}:}\\thesis@advisor
2154
2155
                    \end{minipage}\hfill\begin{minipage}[t]{\@right}
2156
                         {\bf\thesis@@{authorTitle}:}\\thesis@author
                               \\[1em]{\bf\thesis@@{fieldTitle}:}\\\thesis@field
2157
                    2158
```

\thesis@blocks@frontMatter

The \thesis@blocks@frontMatter private 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.

\thesis@blocks@bibEntry

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

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

```
2169 \def\thesis@blocks@bibEntry{%
2170 \chapter*{\thesis@@{bib@title}}
```

```
2171 \noindent\thesis@upper{author@tail}, \thesis@author@head.
2172 \emph{\thesis@title}. \thesis@place: \thesis@@{universityName},
2173 \thesis@@{facultyName}, \thesis@department, \thesis@year.
2174 \thesis@pages\ \thesis@@{bib@pages}.
2175 \thesis@@{advisorTitle}: \thesis@advisor.}
```

The style file defines the autolayout preamble as the cover and the title page followed by the annotation, bibliographical entry, declaration, acknowledgement table of contents and the optional list of tables and figures as a part of the front matter. All blocks are defined in the style/mu/base.sty file, although some are redefined in this file.

```
2176 \def\thesis@preamble{%
2177
     \thesis@blocks@cover%
2178
     \thesis@blocks@frontMatter%
2179
       \thesis@blocks@titlePage%
2180
       \onehalfspacing%
       \thesis@blocks@clearRight%
2181
         \thesis@blocks@abstract%
2182
          \thesis@blocks@abstractEn%
2183
          \thesis@blocks@keywords%
2184
         \thesis@blocks@keywordsEn%
2185
       \thesis@blocks@bibEntry%
2186
       \thesis@blocks@declaration%
2187
2188
       \thesis@blocks@thanks%
       \thesis@blocks@tables%
2189
2190
     \thesis@blocks@mainMatter}
```

3.6.11 The style files of the Faculty of Sports Studies

3.6.11.1 The style/mu/fithesis3-fss.sty file

This is the style file for the theses written at the Faculty of Sports Studies at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty⁹.

```
2191 \NeedsTeXFormat{LaTeX2e}
2192 \ProvidesPackage{fithesis3/style/mu/fithesis3-fss}[2015/04/26]
The file defines the color used with the hyperlinks.
2193 \thesis@color@setup{
2194  links={HTML}{BBC7DD},
2195  tableEmph={HTML}{0042BA},
2196  tableOdd={HTML}{E4E9F1},
2197  tableEven={HTML}{BBC7DD}}
```

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

2198 \thesis@blocks@titlePage@field@true

The style file defines the autolayout preamble as the cover and the title page followed by the declaration, acknowledgement table of contents and the optional

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

list of tables and figures as a part of the front matter. All blocks are defined in the style/mu/base.sty file.

```
2199 \def\thesis@preamble{%
2200 \thesis@blocks@cover%
2201 \thesis@blocks@titlePage%
2202 \thesis@blocks@frontMatter%
2203 \thesis@blocks@declaration%
2204 \thesis@blocks@thanks%
2205 \thesis@blocks@tables%
2206 \thesis@blocks@mainMatter}
```

Index

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

\@evenfoot 1125, 1127
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Change History	
v0.0	fit1*.clo [JP]
General: bachelor project of Daniel Marek under supervision of Petr Sojka	v0.1e General: add Brno to MU title [JP] 175 v0.1f
v0.0a	General: add documentation for hy-
General: changes by Jan Pavlovič to allow fithesis being backend of docbook based system for thesis writing 175	perref [JP]
v0.1	v0.2.00
General: new release, documentation editing (CZ only, sorry) [PS] 175 v0.1a	General: add sk lang [JP, Peter Cerensky] set default cls class to rapport3 [JP]
General: minor documentation changes (CZ only, sorry) [PS] . 175	v0.2.01 General: add subsubsection to toc
v0.1b	[JP]
General: change of default size $(11\text{pt}\rightarrow 12\text{pt})$ [JP] 175 v0.1c	v0.2.02 General: fix encoding bug [JP] 175 v0.2.03
General: default values of	General: fix title spacing [PS, JP] 175
\facultyname and \@thesissubtitle set for back- ward compatibility) [PS] 175	v0.2.04 General: fix SK declaration [Peter Cerensky, JP] 175
v0.1d General: removed def schanter from	v0.2.05 Ceneral: add English abstract [IP] 175

v0.2.06	loading fithesis2.cls) and
General: fix: behind Advisor [JP] . 175 v0.2.07	fithesis2.cls, minor doc ed-
General: escape all Czech let-	its, version numbering of .clo fixed, switch to utf8 and ensur-
ters [JP] babel is used instead	ing that .dtx compiles. Docu-
of stupid package czech [JP]	mentation adjusted to the status
\MainMatter should be placed	quo, added link to discussion
after \tablesofcontents [PS] 175	forum (backport of v0.2.14) [PS] 175
v0.2.08	v0.3.04
General: add change of University	General: Import the url package to
name [JP] 175	allow for the use of \url within
v0.2.09	the documentation. (backport of
General: add EN version of Univer-	v0.2.15@r13) [VN] 175
sity name [JP] 175	v0.3.05
v0.2.10	General: Added support for change
General: fix EN name of Acknowl-	typesetting. Restructured the
edgement [JP] 175	code to make it more amenable
v0.2.11	to literal programming. Added
General: fix missing fi-logo.mf	support for \CodelineIndex
[JP,PS]	typesetting. Added informa-
v0.2.12	tion about the usage of fithe-
General: Licence change to the LPPL	sis1 and fithesis2 on the FI unix
[JP]	machines. (backport of v0.2.16)
v0.2.12a	[VN]
General: fork fithesis2 by Mr. Fil-	Minor changes throughout the
ipčík and Janoušek; cf. https://	text, added a link to the the
github.com/liskin/fithesis 175 v0.3.00	fithesis forums [PS] (backport of v0.2.15@r14:15) 175
	v0.3.06
General: fi logo is no longer special- cased (added eps and pdf),	General: Added the colorx package
\thesislogopath added to	and the base colors for each fac-
set the logo directory path,	ulty. If the color option is spec-
\thesiscolor added to enable	ified, the tabular environment
colorful typo elements [VN] . 175	gets redefined and uses the fac-
v0.3.01	ulty colors to color alternating
General: documentation now uses	table rows to improve readabil-
babel and cmap packages. the	ity. The hyperref links in the
entire file was transcoded into	e-version are now likewise col-
utf8, \thesiscolor was re-	ored according to the chosen fac-
placed by color class option,	ulty, in this case regardless of
added pdf metadata stamping	the presence of the color option.
support [VN] 175	Dropped the support for type-
v0.3.02	setting theses outside MU. [VN] 175
General: pdf metadata stamping	v0.3.07
added for \thesistitle and	General: Replaced the \thesiswoman
\thesisstudent [VN] \dots 175	command with \thesisgender.
v0.3.03	[VN] 175
General: Small fixes (added \relax	v0.3.08
at \MainMatter), generat-	General: Fixed a non-terminated \if
ing both fithesis.cls (obsolete,	condition. [VN] (backport of

v0.2.18)	nical documentation. Updated
Fixed mostly documentation	the Advanced usage chapter of the
errors reported at the new	user guide. The required pack-
fithesis discussion forum (-ti,	aged listed in Section 2.2 of the
eco→econ, implicit twocolumn,	user guide are now always cor-
example extended (font setup),	rect. Adjusted the footer spac-
etc.). [PS] (backport of v0.2.17) 175	ing in the styles of econ and fi.
70.3.09	Added Advanced usage chapter
General: A complete refactoring of	to the user guide. Added the
the class. The class was decom-	description of basic options into
posed into a base class, locale	the user guide. Added the table
files and style files. [VN] 175	and oldtable options. Added
70.3.10	the type field to the guide for
General: Fixed a typo in the tech-	completeness. [VN] 175