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

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Abstract

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

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1 Required classes and packages

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 XeTeX engine.
- ifluatex – Used to detect the LuaTeX engine.
- inputenc – Used to enable the input UTF-8 encoding. This package does not get loaded under the XeTeX and LuaTeX engines.

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

```
\ProvidesClass{fithesis3}[\thesis@version]
\LoadClass[a4paper]{rapport3}
\RequirePackage{keyval}
\RequirePackage{etoolbox}
\RequirePackage{ifxetex}
\RequirePackage{ifluatex}
\ifxetex\else\ifluatex\else
  \RequirePackage[utf8]{inputenc}
\fi\fi
```

2 Public API

2.1 Options

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

2.2 The \thesissetup macro

\thesissetup The main public macro is the \thesissetup{⟨*keyvals*⟩} command, where *keyvals* is a comma-delimited list of key-value pairs as defined by the keyval package. This macro needs to be included prior to the beginning of a 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).

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

2.2.1 The basePath key

\thesis@basepath

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

```
\def\thesis@basepath{fithesis/}
\define@key{thesis}{basePath}{%
  \ifx\thesis@empty#1\thesis@empty%
    \def\thesis@basepath{}%
  \else%
    \def\thesis@basepath{#1/}%
  \fi}
```

\thesis@logopath

2.2.2 The logoPath key

The {⟨logoPath=*path*⟩} pair sets the *path* containing the logo files, which is used by the style files 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 \thesis@basepath followed by logo/\thesis@university/. By default, this expands to fithesis3/logo/mu/.

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

\thesis@stylepath

2.2.3 The stylePath key

The {⟨stylePath=*path*⟩} pair sets the *path* containing the style files. The *path* is normalized using the 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/.

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

\thesis@localepath

2.2.4 The localePath key

The {⟨localePath=*path*⟩} pair sets the *path* containing the locale files. The *path* is normalized using the 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/.

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

```
\def\thesis@subdir#1#2#3#4\empty{%
  \ifx#1\empty%           <empty> -> <basepath>
    \thesis@basepath
  \else
    \if#1/%
      \ifx#2\empty%             / -> /
        /%
      \else%              /<path> -> /<path>/
        #1#2#3#4/%
      \fi
    \else%
      \if#1.%
        \ifx#2\empty%           . -> ./
          ./%
        \else
          \if#2.%
            \ifx#3\empty%      .. -> ../
              ../%
            \else
              \if#3/%   ../<path> -> ../<path>/
                ../#4/%
              \else
                \thesis@basepath#1#2#3#4/%
              \fi
            \fi
          \else
            \if#2/%      ./<path> -> ./<path>/
              ./#3#4/%
            \else
              \thesis@basepath#1#2#3#4/%
            \fi
          \fi
        \fi
      \else
        \thesis@basepath#1#2#3#4/%
```

```
    \fi
  \fi%
\fi}
```

\thesis@def The `\thesis@def[⟨key⟩]{⟨name⟩}` private macro defines the private `\thesis@`*name* 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.

```
\newcommand{\thesis@def}[2][]{%
  \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 {⟨`declaration`=*text*⟩} 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}`.

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

\ifthesis@woman

2.2.6 The `gender` key

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

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

\thesis@author

2.2.7 The `author` key

The {⟨`author`=*name*⟩} pair sets the author's full name to *name*. The *name* is parsed
\thesis@parseAuthor 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.

```
\def\thesis@parseAuthor#1{%
  \def\thesis@author{#1}%
  \def\thesis@author@head{\expandafter\expandafter\expandafter%
    \@gobble\thesis@head#1 \relax}%
  \def\thesis@author@tail{\thesis@tail#1 \relax}}
\thesis@def{author}%
\thesis@def[author]{author@head}%
\thesis@def[author]{author@tail}%
\define@key{thesis}{author}{%
  \thesis@parseAuthor{#1}}
```

\thesis@id

2.2.8 The id key

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

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

\thesis@type

2.2.9 The type key

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

The thesis type	The value of *type*
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

```
\def\thesis@bachelors{bc}
\def\thesis@masters{mgr}
\def\thesis@doctoral{d}
\def\thesis@rigorous{r}
\let\thesis@type\thesis@bachelors
\define@key{thesis}{type}{%
  \def\thesis@type{#1}}
```

\thesis@university

2.2.10 The `university` key

The {⟨`university`=*id*⟩} 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.

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

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

\thesis@department

2.2.12 The `department` key

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

```
\thesis@def{department}
\define@key{thesis}{department}{%
  \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.

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

\thesis@programme

2.2.14 The programme key

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

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

\thesis@programmeEn

2.2.15 The programmeEn key

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

```
\thesis@def{programmeEn}
\define@key{thesis}{programmeEn}{%
  \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.

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

```
\thesis@def{fieldEn}
\define@key{thesis}{fieldEn}{%
  \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 `fithesis-base`. The `fithesis-` prefix serves to prevent package clashes with other similarly named package files within the TEX directory structure. The logo file is loaded from the `\thesis@logopath` `\thesis@logo` path.

```
\def\thesis@universityLogo{fithesis-base}
\define@key{thesis}{universityLogo}{%
  \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 `fithesis-\thesis@faculty`. The `fithesis-` prefix serves to prevent package clashes with other similarly named logo files within the TEX directory structure. The logo file is loaded from the `\thesis@logopath\thesis@logo` path.

```
\def\thesis@facultyLogo{fithesis-\thesis@faculty}
\define@key{thesis}{facultyLogo}{%
  \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/fithesis-\thesis@faculty`. The style file is loaded from the `\thesis@stylepath\thesis@style` path.

```
\def\thesis@style{\thesis@university/fithesis-\thesis@faculty}
\define@key{thesis}{style}{%
  \def\thesis@style{#1}}
```

\thesis@style@inheritance

2.2.21 The `styleInheritance` key

The {⟨`styleInheritance`=*bool*⟩} pair either enables, if *bool* is `true` or unspecified, or disables the inheritance for style files. The 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.

```
\newif\ifthesis@style@inheritance\thesis@style@inheritancetrue
\define@key{thesis}{styleInheritance}[true]{%
  \def\@true{true}%
  \def\@arg{#1}%
```

```
\ifx\@true\@arg%
  \thesis@style@inheritancetrue%
\else%
  \thesis@style@inheritancefalse%
\fi}
```

\thesis@locale

2.2.22 The `locale` key

The {⟨`locale`=*filename*⟩} 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.

```
\def\thesis@locale{%
  % Babel detection
  \ifx\languagename\undefined%
  english\else\languagename\fi}
\define@key{thesis}{locale}{%
  \def\thesis@locale{#1}}
```

\ifthesis@english

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

```
\def\ifthesis@english{
  \expandafter\def\expandafter\@english\expandafter{\string%
  \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%
    true%
  \else%
    false%
  \fi\endcsname}
```

\thesis@locale@inheritance

2.2.23 The `localeInheritance` key

The {⟨`localeInheritance`=*bool*⟩} pair either enables, if *bool* is `true` or unspecified, or disables the inheritance. The 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.

```
\newif\ifthesis@locale@inheritance\thesis@locale@inheritancetrue
```

```
\define@key{thesis}{localeInheritance}[true]{%
  \def\@true{true}%
  \def\@arg{#1}%
  \ifx\@true\@arg%
    \thesis@locale@inheritancetrue%
  \else%
    \thesis@locale@inheritancefalse%
  \fi}
```

2.2.24 The `date` key

The {⟨`date`=*date*⟩} 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`
- `\thesis@date` – The whole date

`\thesis@year`
- `\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` ≥ 7.

`\thesis@academicYear`
- `\thesis@academicYear` – The academic year of the given semester:
  - `YYYY/YYYY`$+1$ 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.

```
\def\thesis@parseDate#1/#2/#3|{{
  % Basic info
  \gdef\thesis@date{#1/#2/#3}%
  \gdef\thesis@year{#1}%
  \gdef\thesis@month{#2}%
  \gdef\thesis@day{#3}%

  % Season and academic year
  \newcount\@year \expandafter\@year \thesis@year \relax%
  \newcount\@month\expandafter\@month\thesis@month\relax%
  \ifnum\@month<7%
    \gdef\thesis@season{winter}%
    \advance\@year-1\edef\@yearA{\the\@year}%
    \advance\@year 1\edef\@yearB{\the\@year}%
```

```
  \else%
    \gdef\thesis@season{summer}%
                      \edef\@yearA{\the\@year}%
    \advance\@year 1\edef\@yearB{\the\@year}%
  \fi%
  \global\edef\thesis@academicYear{\@yearA/\@yearB}}}

\edef\thesis@date{\the\year/\the\month/\the\day}%
\expandafter\thesis@parseDate\thesis@date|%

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

\thesis@place

2.2.25 The `place` key

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

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

\thesis@title

2.2.26 The `title` key

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

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

\thesis@TeXtitle

2.2.27 The `TeXtitle` key

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

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

\thesis@titleEn

2.2.28 The titleEn key

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

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

\thesis@TeXtitleEn

2.2.29 The TeXtitleEn key

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

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

\thesis@keywords

2.2.30 The keywords key

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

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

\thesis@TeXkeywords

2.2.31 The TeXkeywords key

The {⟨TeXkeywords=*list*⟩} pair sets the TEX keywords of the thesis to the comma-delimited *list*. The *list* is used, when typesetting the keywords, whereas \thesis@keywords is a plain text. The *list* is stored within the private \thesis@TeXkeywords macro.

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

\thesis@keywordsEn

2.2.32 The keywordsEn key

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

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

\thesis@TeXkeywordsEn

2.2.33 The TeXkeywordsEn key

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

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

\thesis@abstract

2.2.34 The abstract key

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

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

\thesis@abstractEn

2.2.35 The abstractEn key

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

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

\thesis@advisor

2.2.36 The advisor key

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

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

\thesis@thanks

2.2.37 The thanks key

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

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

\thesis@assignmentFiles

2.2.38 The assignment key

The {⟨assignment=*list*⟩} pair sets the comma-separated list of paths to the pdf files containing the thesis assignment to *list*. The *list* is stored within the \thesis@assignmentFiles private macro.

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

\ifthesis@auto

2.2.39 The autoLayout key

The {⟨autoLayout=*bool*⟩} pair either enables, if *bool* is true or unspecified, or disables autolayout. Autolayout injects the \thesis@preamble and \thesis@postamble 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.

```
\newif\ifthesis@auto\thesis@autotrue
\define@key{thesis}{autoLayout}[true]{%
  \def\@true{true}%
  \def\@arg{#1}%
  \ifx\@true\@arg%
    \thesis@autotrue%
  \else%
    \thesis@autofalse%
  \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.

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

2.3 The \thesislong macro

\thesislong

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

- abstract
- abstractEn
- thanks
- declaration

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

3 Private API

3.1 Main routine

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

```
\newif\ifthesis@loaded\thesis@loadedfalse
\AtEndPreamble{\thesis@load}
\def\thesis@load{%
  \ifthesis@loaded\else%
    \thesis@loadedtrue
    \makeatletter%
```

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

```
      \ifx\thesis@locale\empty\else
        \thesis@requireLocale{\thesis@locale}
      \fi
```

Consequently, the style files are loaded with the class options passed onto them.

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

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

- Title is set to \thesis@title.
- Author is set to \thesis@author.
- Keywords is set to \thesis@keywords.
- Creator is set to 2015/06/24 v0.3.18 fithesis3 MU thesis class.

```
       \thesis@require{hyperref}%
      {\hypersetup{unicode,
         pdftitle={\thesis@title},%
         pdfauthor={\thesis@author},%
         pdfkeywords={\thesis@keywords},%
         pdfcreator={\thesis@version},%
     }}%
```

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

```
      \ifthesis@auto%
        \AtBeginDocument{\thesis@preamble}%
```

```
      \AtEndDocument{\thesis@postamble}%
    \fi%
```

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.

`\thesis@pages`

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

3.2 File manipulation macros

`\thesis@exists` The `\thesis@exists{`⟨*file*⟩`}{`⟨*tokens*⟩`}` 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.

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

`\thesis@input` The `\thesis@input{`⟨*file*⟩`}` private macro inputs the given *file*, if it exists.

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

`\thesis@require` The `\thesis@require {`⟨*package*⟩`}` expands to `\RequirePackage{`⟨*package*⟩`}`, if the specified *package* has not yet been loaded.

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

`\thesis@requireWithOptions` The `\thesis@requireWithOptions{`⟨*package*⟩`}` expands to `\RequirePackageWithOptions{`⟨*package*⟩`}`, if the specified *package* exists and has not yet been loaded.

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

`\thesis@requireStyle` If inheritance is enabled for style files, then the `\thesis@requireStyle{`⟨*style*⟩`}` private macro sequentially loads each of the following files, provided they exist:

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

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

```
\def\thesis@requireStyle#1{%
  \ifthesis@style@inheritance%
    \thesis@requireWithOptions{\thesis@stylepath fithesis-base}%
    \thesis@requireWithOptions{\thesis@stylepath\thesis@university%
      /fithesis-base}
  \fi%
  \thesis@requireWithOptions{\thesis@stylepath#1}}
```

`\thesis@requireLocale` If inheritance is enabled for style files, then the `\thesis@requireStyle{`⟨*locale*⟩`}` private macro sequentially loads each of the following locale files, provided they exist:

1. `\thesis@localepath` *locale*`.def`
2. `\thesis@localepath\thesis@university/`*locale*`.def`
3. `\thesis@localepath\thesis@university/\thesis@faculty/`*locale*`.def`

If inheritance is disabled for locale files, then only the first listed file 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.

```
\def\thesis@requireLocale#1{%
  % Prevent redundant entries
  \expandafter\ifx\csname thesis@#1@required\endcsname\relax%
    \expandafter\def\csname thesis@#1@required\endcsname{}%
      \thesis@input{\thesis@localepath#1.def}
      \ifthesis@locale@inheritance%
        \thesis@input{\thesis@localepath\thesis@university/#1.def}%
        \thesis@input{\thesis@localepath\thesis@university/%
          \thesis@faculty/#1.def}%
      \fi%
  \fi}
```

3.3 String manipulation macros

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

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

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

```
\def\thesis@@#1{\thesis@{\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.

```
\def\thesis@lower#1{{%
  \let\ea\expandafter%
  \ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\lowercase\ea\ea\ea
  \ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea{\ea\ea\ea\ea\ea\ea\ea\ea\ea
  \ea\ea\ea\ea\ea\ea\@gobble\ea\ea\ea\string\ea\csname\csname the%
  sis@#1\endcsname\endcsname}}}
\def\thesis@upper#1{{%
  \let\ea\expandafter%
  \ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\uppercase\ea\ea\ea
  \ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea{\ea\ea\ea\ea\ea\ea\ea\ea\ea
  \ea\ea\ea\ea\ea\ea\@gobble\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.

```
\def\thesis@@lower#1{\thesis@lower{\thesis@locale @#1}}
\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`.

```
\def\thesis@head#1 #2{%
  \ifx\relax#2%
    \expandafter\@gobbletwo%
  \else%
    \ #1%
  \fi%
  \thesis@head#2}%
\def\thesis@tail#1 #2{%
  \ifx\relax#2%
    #1%
    \expandafter\@gobbletwo%
  \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 ??.

```
\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.

`\file`

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:

- `\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.

```
\ProvidesFile{fithesis/locale/english.def}[2015/06/23]

% Placeholders
\def\thesis@english@universityName{University name}
\def\thesis@english@facultyName{Faculty name}
\def\thesis@english@assignment{Replace this page with a copy
  of the official signed thesis assignment.}
\def\thesis@english@declaration{Declaration text ...}

% Miscellaneous
\def\thesis@english@fieldTitle{Field of study}
\def\thesis@english@advisorTitle{Advisor}
\def\thesis@english@authorTitle{Author}
\def\thesis@english@abstractTitle{Abstract}
\def\thesis@english@keywordsTitle{Keywords}
\def\thesis@english@thanksTitle{Acknowledgement}
\def\thesis@english@declarationTitle{Declaration}
\def\thesis@english@idTitle{ID}
\def\thesis@english@winter{Spring}
\def\thesis@english@summer{Fall}
\def\thesis@english@semester{%
  \thesis@{english@\thesis@season} \thesis@year}
\def\thesis@english@typeName{%
  \ifx\thesis@type\thesis@bachelors%
    Bachelor's Thesis%
  \else\ifx\thesis@type\thesis@masters%
    Master's Thesis%
  \else\ifx\thesis@type\thesis@doctoral%
    Doctoral Thesis%
  \else\ifx\thesis@type\thesis@rigorous%
    Rigorous Thesis%
  \else%
    <<Unknown thesis type (\thesis@type)>>%
  \fi\fi\fi\fi}
```

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.

```
\ProvidesFile{fithesis/locale/mu/english.def}[2015/06/23]
\def\thesis@english@universityName{Masaryk University}
\def\thesis@english@declaration{%
  Hereby I declare that this paper is my original authorial work,
```

```
  which I have worked out by my own. All sources, references and
  literature used or excerpted during elaboration of this work are
  properly cited and listed in complete reference to the due source.}

% Miscellaneous
\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.

```
\ProvidesFile{fithesis/locale/mu/law/english.def}[2015/06/23]
\def\thesis@english@facultyName{Faculty of Law}
\def\thesis@english@facultyLongName{The Faculty of Law of the
  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.

```
\ProvidesFile{fithesis/locale/mu/fsps/english.def}[2015/06/23]

% Placeholders
\def\thesis@english@facultyName{Faculty of Sports Studies}

% Miscellaneous
\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.

```
\ProvidesFile{fithesis/locale/mu/fss/english.def}[2015/06/23]

% Placeholders
\def\thesis@english@facultyName{Faculty of Social Studies}
\def\thesis@english@assignment{Replace this page with a copy
  of the official signed thesis assignment or the copy of the
  Statement of an Author or both, depending on the requirements of
  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.

```
\ProvidesFile{fithesis/locale/mu/econ/english.def}[2015/06/23]
\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 `bib@title` and `bib@pages` strings required by the `\thesis@blocks@bibEntry` block defined within the `style/mu/fithesis-med.sty` style file.

```
\ProvidesFile{fithesis/locale/mu/med/english.def}[2015/06/23]

% Miscellaneous
\def\thesis@english@abstractTitle{Annotation}

% Placeholders
\def\thesis@english@facultyName{Faculty of Medicine}

% Bibliographic entry
\def\thesis@english@bib@title{Bibliographic record}
\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/fithesis-fi.sty` style file.

```
\ProvidesFile{fithesis/locale/mu/fi/english.def}[2015/06/23]

% Placeholders
\def\thesis@english@facultyName{Faculty of Informatics}
\def\thesis@english@assignment{Replace this page with a copy
  of the official signed thesis assignment and the copy of the
  Statement of an Author.}

% Others
\def\thesis@english@advisorSignature{Signature of Thesis
  \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.

```
\ProvidesFile{fithesis/locale/mu/phil/english.def}[2015/06/23]
```

```
\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/fithesis-ped.sty` style file.

```
\ProvidesFile{fithesis/locale/mu/ped/english.def}[2015/06/23]

% Placeholders
\def\thesis@english@facultyName{Faculty of Education}

% Bibliographic entry
\def\thesis@english@bib@title{Bibliographic record}
\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/fithesis-sci.sty` style file. It also replaces the `facultyName` placeholder with the correct value and redefines the `advisorTitle` string in accordance with the formal requirements of the faculty.

```
\ProvidesFile{fithesis/locale/mu/sci/english.def}[2015/06/23]

% Placeholders
\def\thesis@english@facultyName{Faculty of Science}

% Miscellaneous
\let\thesis@english@advisorTitleEn=\thesis@english@bib@advisor

% Bibliographic entry
\def\thesis@english@bib@title{Bibliographic entry}
\let\thesis@english@bib@author\thesis@english@authorTitle
\def\thesis@english@bib@thesisTitle{Title of Thesis}
\def\thesis@english@bib@programme{Degree Programme}
\let\thesis@english@bib@field\thesis@english@fieldTitle
\def\thesis@english@bib@advisor{Supervisor}
\def\thesis@english@bib@academicYear{Academic Year}
\def\thesis@english@bib@pages{Number of Pages}
\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.

```
\ProvidesFile{fithesis/locale/czech.def}[2015/06/23]

% Pomocná makra
\def\thesis@czech@gender@koncovka{%
  \ifthesis@woman a\fi}

% Zástupné texty
\def\thesis@czech@universityName{Název univerzity}
\def\thesis@czech@facultyName{Název fakulty}
\def\thesis@czech@assignment{Místo tohoto listu vložte kopii
  oficiálního podepsaného zadání práce.}
\def\thesis@czech@declaration{Text prohlášení ...}

% Různé
\def\thesis@czech@fieldTitle{Obor}
\def\thesis@czech@advisorTitle{Vedoucí práce}
\def\thesis@czech@authorTitle{Autor}
\def\thesis@czech@abstractTitle{Shrnutí}
\def\thesis@czech@keywordsTitle{Klíčová slova}
\def\thesis@czech@thanksTitle{Poděkování}
\def\thesis@czech@declarationTitle{Prohlášení}
\def\thesis@czech@idTitle{ID}
\def\thesis@czech@winter{Jaro}
\def\thesis@czech@summer{Podzim}
\def\thesis@czech@semester{%
  \thesis@{czech@\thesis@season} \thesis@year}
\def\thesis@czech@typeName{%
  \ifx\thesis@type\thesis@bachelors%
    Bakalářská práce%
  \else\ifx\thesis@type\thesis@masters%
    Diplomová práce%
  \else\ifx\thesis@type\thesis@doctoral%
    Disertační práce%
  \else\ifx\thesis@type\thesis@rigorous%
    Rigorózní práce%
  \else%
    <<Neznámý typ práce (\thesis@type)>>%
  \fi\fi\fi\fi}
\def\thesis@czech@typeName@akuzativ{%
  \ifx\thesis@type\thesis@bachelors%
    Bakalářskou práci%
  \else\ifx\thesis@type\thesis@masters%
    Diplomovou práci%
  \else\ifx\thesis@type\thesis@doctoral%
    Disertační práci%
```

```
\else\ifx\thesis@type\thesis@rigorous%
  Rigorózní práci%
\else%
  <<Neznámý typ práce (\thesis@type)>>%
\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.

```
\ProvidesFile{fithesis/locale/mu/czech.def}[2015/06/23]

% Zástupné texty
\def\thesis@czech@universityName{Masarykova Univerzita}
\def\thesis@czech@declaration{Prohlašuji, že jsem
  \thesis@lower{czech@typeName@akuzativ} zpracoval%
  \thesis@czech@gender@koncovka\ samostatně a
  použil\thesis@czech@gender@koncovka\ jen prameny
  uvedené~v seznamu literatury.}

% Různé
\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.

```
\ProvidesFile{fithesis/locale/mu/law/czech.def}[2015/06/23]

% Různé
\def\thesis@czech@abstractTitle{Abstrakt}

% Zástupné texty
\def\thesis@czech@facultyName{Právnická fakulta}
\def\thesis@czech@facultyLongName{Právnická fakulta Masarykovy
  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.

```
\ProvidesFile{fithesis/locale/mu/fsps/czech.def}[2015/06/23]

% Zástupné texty
```

```
\def\thesis@czech@facultyName{Fakulta sportovních studií}

% Různé
\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.

```
\ProvidesFile{fithesis/locale/mu/fss/czech.def}[2015/06/23]

% Zástupné texty
\def\thesis@czech@facultyName{Fakulta sociálních studií}
\def\thesis@czech@assignment{Místo tohoto listu
  vložte kopie oficiálního podepsaného zadání práce nebo
  prohlášení autora školního díla nebo obojí~v závislosti na
  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.

```
\ProvidesFile{fithesis/locale/mu/econ/czech.def}[2015/06/23]
\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/fithesis-med.sty` style file.

```
\ProvidesFile{fithesis/locale/mu/med/czech.def}[2015/06/23]

% Různé
\def\thesis@czech@abstractTitle{Anotace}

% Zástupné texty
\def\thesis@czech@facultyName{Lékařská fakulta}

% Bibliografický záznam
\def\thesis@czech@bib@title{Bibliografický záznam}
\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/fithesis-fi.sty` style file.

```
\ProvidesFile{fithesis/locale/mu/fi/czech.def}[2015/06/23]

% Zástupné texty
\def\thesis@czech@facultyName{Fakulta informatiky}
\def\thesis@czech@assignment{Místo tohoto listu
  vložte kopie oficiálního podepsaného zadání práce a
  prohlášení autora školního díla.}
\def\thesis@czech@declaration{%
  Prohlašuji, že tato \thesis@lower{czech@typeName} je mým
  původním autorským dílem, které jsem vypracoval%
  \thesis@czech@gender@koncovka\ samostatně. Všechny zdroje,
  prameny a literaturu, které jsem při vypracování
  používal\thesis@czech@gender@koncovka\ nebo z~nich
  čerpal\thesis@czech@gender@koncovka, v~práci řádně cituji
  s~uvedením úplného odkazu na příslušný zdroj.}

% Ostatní
\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.

```
\ProvidesFile{fithesis/locale/mu/phil/czech.def}[2015/06/23]

% Zástupné texty
\def\thesis@czech@facultyName{Filozofická fakulta}
\def\thesis@czech@declaration{%
  Prohlašuji, že jsem \thesis@lower{czech@typeName@akuzativ}
  vypracoval\thesis@czech@gender@koncovka\ samostatně~s využitím
  uvedené literatury.}

% Ostatní
\def\thesis@czech@typeName{%
  \ifx\thesis@type\thesis@bachelors%
    Bakalářská diplomová práce%
  \else\ifx\thesis@type\thesis@masters%
    Magisterská diplomová práce%
  \else\ifx\thesis@type\thesis@doctoral%
```

```
    Disertační práce%
  \else%
    <<Neznámý typ práce (\thesis@type)>>%
  \fi\fi\fi}
\def\thesis@czech@typeName@akuzativ{%
  \ifx\thesis@type\thesis@bachelors%
    Diplomovou práci%
  \else\ifx\thesis@type\thesis@masters%
    Diplomovou práci%
  \else\ifx\thesis@type\thesis@doctoral%
    Disertační práci%
  \else%
    <<Neznámý typ práce (\thesis@type)>>%
  \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@bibEntry` block defined within the `style/mu/fithesis-ped.sty` style file.

```
\ProvidesFile{fithesis/locale/mu/ped/czech.def}[2015/06/23]

% Zástupné texty
\def\thesis@czech@facultyName{Pedagogická fakulta}

% Bibliografický záznam
\def\thesis@czech@bib@title{Bibliografický záznam}
\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/fithesis-sci.sty` style file. It also replaces the `facultyName` placeholder with the correct value and redefines the `abstractTitle` and `declaration` strings in accordance with the formal requirements of the faculty.

```
\ProvidesFile{fithesis/locale/mu/sci/czech.def}[2015/06/23]

% Zástupné texty
\def\thesis@czech@facultyName{Přírodovědecká fakulta}

% Ostatní
\def\thesis@czech@abstractTitle{Abstrakt}
\def\thesis@czech@declaration{%
  Prohlašuji, že jsem svoji \thesis@lower{czech@typeName@%
  akuzativ} vypracoval\thesis@czech@gender@koncovka\ samo%
```

```
  statně s~využitím informačních zdrojů, které jsou v~práci
  citovány.}

% Bibliografický záznam
\def\thesis@czech@bib@title{Bibliografický záznam}
\let\thesis@czech@bib@author\thesis@czech@authorTitle
\def\thesis@czech@bib@thesisTitle{Název práce}
\def\thesis@czech@bib@programme{Studijní program}
\let\thesis@czech@bib@field\thesis@czech@fieldTitle
\let\thesis@czech@bib@advisor\thesis@czech@advisorTitle
\def\thesis@czech@bib@academicYear{Akademický rok}
\def\thesis@czech@bib@pages{Počet stran}
\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.

```
\ProvidesFile{fithesis/locale/slovak.def}[2015/06/23]

% Pomocná makrá
\def\thesis@slovak@gender@koncovka{%
  \ifthesis@woman a\fi}

% Zástupné texty
\def\thesis@slovak@universityName{Názov univerzity}
\def\thesis@slovak@facultyName{Názov fakulty}
\def\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
  oficiálneho podpísaného zadania práce.}
\def\thesis@slovak@declaration{Text prehlásenie ...}

% Rôzne
\def\thesis@slovak@fieldTitle{Odbor}
\def\thesis@slovak@advisorTitle{Vedúci práce}
\def\thesis@slovak@authorTitle{Autor}
\def\thesis@slovak@abstractTitle{Zhrnutie}
\def\thesis@slovak@keywordsTitle{Kľúčové slová}
\def\thesis@slovak@thanksTitle{Poďakovanie}
\def\thesis@slovak@declarationTitle{Prehlásenie}
\def\thesis@slovak@idTitle{ID}
\def\thesis@slovak@winter{Jar}
\def\thesis@slovak@summer{Jeseň}
\def\thesis@slovak@semester{%
```

```
  \thesis@{slovak@\thesis@season} \thesis@year}
\def\thesis@slovak@typeName{%
  \ifx\thesis@type\thesis@bachelors%
    Bakalárska práca%
  \else\ifx\thesis@type\thesis@masters%
    Diplomová práca%
  \else\ifx\thesis@type\thesis@doctoral%
    Dizertačná práca%
  \else\ifx\thesis@type\thesis@rigorous%
    Rigorózna práca%
  \else%
    <<Neznámy typ práce (\thesis@type)>>%
  \fi\fi\fi\fi}
\def\thesis@slovak@typeName@akuzativ{%
  \ifx\thesis@type\thesis@bachelors%
    Bakalársku prácu%
  \else\ifx\thesis@type\thesis@masters%
    Diplomovú prácu%
  \else\ifx\thesis@type\thesis@doctoral%
    Dizertačnú prácu%
  \else\ifx\thesis@type\thesis@rigorous%
    Rigoróznu prácu%
  \else%
    <<Neznámy typ práce (\thesis@type)>>%
  \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.

```
\ProvidesFile{fithesis/locale/mu/slovak.def}[2015/06/23]

% Zástupné texty
\def\thesis@slovak@universityName{Masarykova Univerzita}
\def\thesis@slovak@declaration{%
  Prehlašujem, že som predloženú \thesis@lower{%
  slovak@typeName@akuzativ} vypracoval%
  \thesis@slovak@gender@koncovka\ samostatne len s~použitím
  uvedenej literatúry a prameňov.}

% Rôzne
\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.

```
\ProvidesFile{fithesis/locale/mu/law/slovak.def}[2015/06/23]

% Rôzne
\def\thesis@slovak@abstractTitle{Abstrakt}

% Zástupné texty
\def\thesis@slovak@facultyName{Právnická fakulta}
\def\thesis@slovak@facultyLongName{Právnická fakulta Masarykovej
  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.

```
\ProvidesFile{fithesis/locale/mu/fsps/slovak.def}[2015/06/23]

% Zástupné texty
\def\thesis@slovak@facultyName{Fakulta športových štúdií}

% Rôzne
\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.

```
\ProvidesFile{fithesis/locale/mu/fss/slovak.def}[2015/06/23]

% Zástupné texty
\def\thesis@slovak@facultyName{Fakulta sociálnych štúdií}
\def\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
  oficiálneho podpísaného zadania práce alebo prehlásenie autora
  školského diela alebo obidve~v závislosti na požiadavkách
  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.

```
\ProvidesFile{fithesis/locale/mu/econ/slovak.def}[2015/06/23]
\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/fithesis-med.sty` style file.

```
\ProvidesFile{fithesis/locale/mu/med/slovak.def}[2015/06/23]

% Rôzne
\def\thesis@slovak@abstractTitle{Anotácie}

% Zástupné texty
\def\thesis@slovak@facultyName{Lekárska fakulta}

% Bibliografický zoznam
\def\thesis@slovak@bib@title{Bibliografický záznam}
\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/fithesis-fi.sty` style file.

```
\ProvidesFile{fithesis/locale/mu/fi/slovak.def}[2015/06/23]

% Zástupné texty
\def\thesis@slovak@facultyName{Fakulta informatiky}
\def\thesis@slovak@assignment{Namiesto tejto stránky vložte kópiu
  oficiálneho podpísaného zadania práce a prehlásenie autora
  školského diela.}
\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
  čerpal\thesis@slovak@gender@koncovka, v~práci riadne citujem
  s~uvedením úplného odkazu na príslušný zdroj.}

% Rôzne
\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.

```
\ProvidesFile{fithesis/locale/mu/phil/slovak.def}[2015/06/23]

% Zástupné texty
\def\thesis@slovak@facultyName{Filozofická fakulta}
\def\thesis@slovak@declaration{%
  Prehlašujem, že som predloženú \thesis@lower{%
  slovak@typeName@akuzativ} vypracoval%
  \thesis@slovak@gender@koncovka\ samostatne na
  základe vlastných zistení a len s~použitím
  uvedenej literatúry a prameňov.}

% Rôzne
\def\thesis@slovak@typeName{%
  \ifx\thesis@type\thesis@bachelors%
    Bakalárska diplomová práca%
  \else\ifx\thesis@type\thesis@masters%
    Magisterská diplomová práca%
  \else\ifx\thesis@type\thesis@doctoral%
    Dizertačná práca%
  \else%
    <<Neznámy typ práce (\thesis@type)>>%
  \fi\fi\fi}
\def\thesis@slovak@typeName@akuzativ{%
  \ifx\thesis@type\thesis@bachelors%
    Diplomovú prácu%
  \else\ifx\thesis@type\thesis@masters%
    Diplomovú prácu%
  \else\ifx\thesis@type\thesis@doctoral%
    Dizertačnú prácu%
  \else%
    <<Neznámý typ práce (\thesis@type)>>%
  \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/fithesis-ped.sty` style file.

```
\ProvidesFile{fithesis/locale/mu/ped/slovak.def}[2015/06/23]

% Zástupné texty
```

```
\def\thesis@slovak@facultyName{Pedagogická fakulta}

% Bibliografický zoznam
\def\thesis@slovak@bib@title{Bibliografický záznam}
\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.

```
\ProvidesFile{fithesis/locale/mu/sci/slovak.def}[2015/06/23]

% Zástupné texty
\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{`⟨*filename*⟩`}` 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 ltxdoc manuals.

`\file`

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/fithesis-base.sty` file

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

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

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

This is the base style file for theses written at the Masaryk University in Brno. 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.

```
\ProvidesPackage{fithesis/style/mu/fithesis-base}[2015/06/23]
\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.
- `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.

  `\ifthesis@palatino@`

  The Palatino font is a part of the visual identity of the Faculty of Informatics, at which the document class was created.
- `color`, `monochrome` – Certain typographical elements either are or aren't going to be typeset in color, respectively. The `\ifthesis@color@` conditional is set to either `true` or `false`, respectively. This value can be tested in the subsequently loaded style files.

  `\ifthesis@color@`
- `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.

  `\ifthesis@newtable@`

  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.

```
\DeclareOption{10pt}{\def\thesis@ptsize{0}}
\DeclareOption{11pt}{\def\thesis@ptsize{1}}
\DeclareOption{12pt}{\def\thesis@ptsize{2}}
\newif\ifthesis@twoside@
\DeclareOption{oneside}{%
  \thesis@twoside@false\@twosidefalse\@mparswitchfalse}
\DeclareOption{twoside}{%
  \thesis@twoside@true \@twosidetrue \@mparswitchtrue}
\DeclareOption{onecolumn}{\@twocolumnfalse}
\DeclareOption{twocolumn}{\@twocolumntrue}
\DeclareOption{draft}{\setlength\overfullrule{5pt}}
\DeclareOption{final}{\setlength\overfullrule{0pt}}
\newif\ifthesis@color@
\DeclareOption{monochrome}{\thesis@color@false}
\DeclareOption{color}{\thesis@color@true}
\newif\ifthesis@palatino@
\DeclareOption{palatino}{\thesis@palatino@true}
\DeclareOption{nopalatino}{\thesis@palatino@false}
\newif\ifthesis@newtable@
\DeclareOption{table}{\thesis@newtable@true}
\DeclareOption{oldtable}{\thesis@newtable@false}
\DeclareOption{nolot}{\def\thesis@blocks@lot{}}
\DeclareOption{lot}{\let\thesis@blocks@lot\listoftables}
\DeclareOption{nolof}{\def\thesis@blocks@lof{}}
\DeclareOption{lof}{\let\thesis@blocks@lof\listoffigures}
\newif\ifthesis@cover@
\DeclareOption{nocover}{\thesis@cover@false}
\DeclareOption{cover}{\thesis@cover@true}
```

These are the default options:

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

The file loads the following packages:

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

```
\thesis@require{xcolor}
\thesis@require{graphicx}
\thesis@require{pdfpages}
\thesis@require{keyval}
\thesis@require{ifxetex}
\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 XeTeX or the LuaTeX engine is being used.

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

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

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

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

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

The following packages get only loaded, when the document is not being typeset using the XeTeX 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.
- `lmodern` – Changes the default sans-serif and monotype font faces to Latin Modern instead of the default Computer Modern font family.
- `fontenc` – The font encoding is set to Cork.

```
\else
  \ifthesis@palatino@
    \RequirePackage[resetfonts]{cmap}
    \thesis@require{lmodern}
    \thesis@require{mathpazo}
    \thesis@require{tgpagella}
    \RequirePackage[T1]{fontenc}
  \fi
\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.

```
\let\thesis@newtable@old\tabular
\let\endthesis@newtable@old\endtabular
\ifthesis@newtable@\ifthesis@color@
  \thesis@require{tabularx}
  \thesis@require{booktabs}
  % The redefinition of ‘tabular‘
  \renewenvironment{tabular}%
    {\rowcolors{1}{thesis@color@tableOdd}%
                  {thesis@color@tableEven}%
     \thesis@newtable@old}%
    {\endthesis@newtable@old}
  % The redefinition of ‘tabularx‘
  \let\thesis@newtable@oldx\tabularx
  \let\endthesis@newtable@oldx\endtabularx
```

```
  \renewenvironment{tabularx}%
    {\rowcolors{1}{thesis@color@tableOdd}%
                  {thesis@color@tableEven}%
     \thesis@newtable@oldx}%
    {\endthesis@newtable@oldx}
  % Adjust the measurements
  \setlength{\aboverulesep}{0pt}
  \setlength{\belowrulesep}{0pt}
  \setlength{\extrarowheight}{.75ex}
\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.

```
\thesis@require{hyperref}
\hypersetup{
  pdfborderstyle={/S/U/W 1}, % Less obtrusive borders
  plainpages=false,          % Multiple page numbering support
  pdfpagelabels              % Generate pdf page labels
}
```

Clubs and widows are set to be infinitely bad.

```
\widowpenalty 10000
\clubpenalty  10000
```

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

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

The following key-value pairs are supported:

1. `{`⟨`links=`*color*⟩`}` – Sets the color of hyperref links to *color* and stores it under the name `thesis@color@links`. The default color of links is specified by the hyperref package.
2. `{`⟨`tableOdd=`*color*⟩`}` – Stores the color of the odd rows of the redefined `tabular` and `tabularx` environments under the name `thesis@color@tableOdd`.
3. `{`⟨`tableEven=`*color*⟩`}` – Stores the color of the even rows of the redefined `tabular` and `tabularx` environments under the name `thesis@color@tableEven`.
4. `{`⟨`tableEmph=`*color*⟩`}` – Stores the color of an emphasized cell in the table for usage by the user under the name `thesis@color@tableEmph`.

```
\define@key{thesis@color}{links}{%
  \definecolor{thesis@color@links}#1
  \hypersetup{linkbordercolor=thesis@color@links}}
\define@key{thesis@color}{tableOdd}{%
```

```
  \definecolor{thesis@color@tableOdd}#1}
\define@key{thesis@color}{tableEven}{%
  \definecolor{thesis@color@tableEven}#1}
\define@key{thesis@color}{tableEmph}{%
  \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.

```
\def\thesis@blocks@frontMatter{%
  \thesis@blocks@clear
  \pagestyle{plain}
  \parindent 1.5em
  \setcounter{page}{1}
  \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.

```
\def\thesis@blocks@clear{%
  \ifthesis@twoside@%
    \clearpage%
    \thispagestyle{empty}%
    \cleardoublepage%
  \else%
    \newpage%
  \fi}
```

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

```
\def\thesis@blocks@clearRight{%
  \ifthesis@twoside@%
    \clearpage%
    \ifodd\value{page}%
      \thispagestyle{empty}%
      \hbox{}%
      \newpage%
    \fi%
  \else%
    \newpage%
  \fi}
```

`s@blocks@facultyLogo@monochrome` The `\thesis@blocks@facultyLogo@monochrome[`⟨*options*⟩`]` private macro typesets the `\thesis@logopath\thesis@facultyLogo` logo with the given *options* passed to `\includegraphics`.

```
\newcommand{\thesis@blocks@facultyLogo@monochrome}[1]%
```

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

\thesis@blocks@facultyLogo@color

The `\thesis@blocks@facultyLogo@color[⟨options⟩]` private macro typesets either the `\thesis@logopath\thesis@facultyLogo` logo, if the `\ifthesis@color@` conditional is `false` or the `\thesis@logopath\thesis@facultyLogo-color` logo otherwise with the given *options* passed to `\includegraphics`.

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

blocks@universityLogo@monochrome

The `\thesis@blocks@universityLogo@monochrome[⟨options⟩]` private macro typesets the `\thesis@logopath\thesis@universityLogo` logo with the given *options* passed to `\includegraphics`.

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

esis@blocks@universityLogo@color

The `\thesis@blocks@universityLogo@color[⟨options⟩]` private macro typesets either the `\thesis@logopath\thesis@universityLogo` logo, if the `\ifthesis@color@` conditional is `false` or the `\thesis@logopath\thesis@universityLogo-color` logo otherwise with the given *options* passed to `\includegraphics`.

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

\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.

```
\def\thesis@blocks@cover{%
  \ifthesis@cover@%
    \thesis@blocks@clear%
    \ifthesis@twoside@\@twosidefalse\fi % Temporarily disable twoside
    \begin{alwayssingle}%
      \thispagestyle{empty}%
```

```
      \begin{center}%
        \thesis@blocks@cover@header%
        \thesis@blocks@facultyLogo@monochrome\\[0.4in]%
        \let\footnotesize\small%
        \let\footnoterule\relax{}%
        \thesis@blocks@cover@content%
        \par\vfill%
        \thesis@blocks@cover@footer%
      \end{center}%
    \end{alwayssingle}%
    \ifthesis@twoside@\@twosidetrue\fi % Re-enable twoside
  \fi}
```

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

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

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

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

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

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

```
\newif\ifthesis@blocks@cover@university@
\thesis@blocks@cover@university@true
\newif\ifthesis@blocks@cover@faculty@
\thesis@blocks@cover@faculty@true
\newif\ifthesis@blocks@cover@department@
\thesis@blocks@cover@department@false
\newif\ifthesis@blocks@cover@field@
\thesis@blocks@cover@field@false

\def\thesis@blocks@cover@header{%
  {\sc\ifthesis@blocks@cover@university@%
        \thesis@titlePage@LARGE\thesis@@{universityName}\\%
   \fi\ifthesis@blocks@cover@faculty@%
        \thesis@titlePage@Large\thesis@@{facultyName}\\%
   \fi\ifthesis@blocks@cover@department@%
```

```
        \thesis@titlePage@large\thesis@department\\%
      \fi}
  \ifthesis@blocks@cover@field@%
    {\thesis@titlePage@large\vskip 1em%
      {\bf\thesis@@{fieldTitle}:} \thesis@field}%
  \fi\vskip 2em}
\def\thesis@blocks@cover@content{%
  {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}%
  \vskip 0.8in%
  {\thesis@titlePage@large\sc\thesis@@{typeName}}\\[0.3in]%
  {\thesis@titlePage@Large\bf\thesis@author}}
\def\thesis@blocks@cover@footer{%
  {\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`.

```
\def\thesis@blocks@titlePage{%
    \thesis@blocks@clear%
    \begin{alwayssingle}%
      \thispagestyle{empty}%
      \begin{center}%
        \thesis@blocks@titlePage@header%
        \thesis@blocks@facultyLogo@color\\[0.4in]%
        \let\footnotesize\small%
        \let\footnoterule\relax{}%
        \thesis@blocks@titlePage@content%
        \par\vfill%
        \thesis@blocks@titlePage@footer%
      \end{center}%
    \end{alwayssingle}}
```

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

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

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

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

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

```
\newif\ifthesis@blocks@titlePage@university@
\thesis@blocks@titlePage@university@true
\newif\ifthesis@blocks@titlePage@faculty@
\thesis@blocks@titlePage@faculty@true
\newif\ifthesis@blocks@titlePage@department@
\thesis@blocks@titlePage@department@false
\newif\ifthesis@blocks@titlePage@field@
\thesis@blocks@titlePage@field@false

\def\thesis@blocks@titlePage@header{%
  {\sc\ifthesis@blocks@titlePage@university@%
        \thesis@titlePage@LARGE\thesis@@{universityName}\\%
   \fi\ifthesis@blocks@titlePage@faculty@%
        \thesis@titlePage@Large\thesis@@{facultyName}\\%
   \fi\ifthesis@blocks@titlePage@department@%
        \thesis@titlePage@large\thesis@department\\%
      \fi}
  \ifthesis@blocks@titlePage@field@%
    {\thesis@titlePage@large\vskip 1em%
      {\bf\thesis@@{fieldTitle}:} \thesis@field}%
  \fi\vskip 2em}
\let\thesis@blocks@titlePage@content=\thesis@blocks@cover@content
\let\thesis@blocks@titlePage@footer=\thesis@blocks@cover@footer
```

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

```
\def\thesis@blocks@tables{%
  \thesis@blocks@clear%
  \tableofcontents%
  \thesis@blocks@lot%
  \thesis@blocks@lof}
```

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

```
\def\thesis@blocks@declaration{%
  \thesis@blocks@clear%
  \begin{alwayssingle}%
    \chapter*{\thesis@@{declarationTitle}}%
    \thesis@declaration%
```

```
    \vskip 2cm%
    \hfill\thesis@author%
  \end{alwayssingle}}
```

`\thesis@blocks@thanks` The `\thesis@blocks@thanks` private macro typesets the acknowledgement, if the `\thesis@thanks` private macro is defined.

```
\def\thesis@blocks@thanks{%
  \ifx\thesis@thanks\undefined\else%
    \thesis@blocks@clear%
    \begin{alwayssingle}%
      \chapter*{\vspace*{\fill}\thesis@@{thanksTitle}}%
      \thesis@thanks%
    \end{alwayssingle}%
  \fi}
```

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

```
\def\thesis@blocks@abstract{%
  \begin{alwayssingle}%
    % Start the new chapter without clearing the right page
    {\def\cleardoublepage{}
    \chapter*{\thesis@@{abstractTitle}}}%
    \noindent\thesis@abstract%
    \par\vfil\null%
  \end{alwayssingle}}
```

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

```
\def\thesis@blocks@abstractEn{%
  \ifthesis@english\else%
    \begin{alwayssingle}%
      % Start the new chapter without clearing the right page
      {\def\cleardoublepage{}%
      \chapter*{\thesis@{english@abstractTitle}}%
      \thesis@abstractEn}%
      \par\vfil\null%
    \end{alwayssingle}%
  \fi}
```

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

```
\def\thesis@blocks@keywords{%
  \begin{alwayssingle}%
    % Start the new chapter without clearing the right page
    {\def\cleardoublepage{}%
    \chapter*{\thesis@@{keywordsTitle}}%
    \noindent\thesis@TeXkeywords}%
    \par\vfil\null%
  \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.

```
\def\thesis@blocks@keywordsEn{%
  \ifthesis@english\else%
    \begin{alwayssingle}%
      % Start the new chapter without clearing the right page
      {\def\cleardoublepage{}%
      \chapter*{\thesis@{english@keywordsTitle}}%
      \thesis@TeXkeywordsEn}%
      \par\vfil\null%
    \end{alwayssingle}%
  \fi}
```

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

- Expands to an empty token list, when the first expansion of \thesis@assignmentPDF yields an empty token list or when the \ifthesis@blocks@assignment@ conditional is false.
- Typesets a placeholder page to be replaced with the official thesis assignment, when \thesis@assignmentPDF is undefined and the \ifthesis@blocks@assignment@ conditional is true.
- Injects the PDF file(s) specified within the \thesis@assignmentPDF macro, when \thesis@assignmentPDF is defined, its first expansion yields a non-empty token list and the \ifthesis@blocks@assignment@ conditional is true.

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

```
\newif\ifthesis@blocks@assignment@
\thesis@blocks@assignment@true
\def\thesis@blocks@assignment{%
  \ifthesis@blocks@assignment@%
    \ifx\thesis@assignmentFiles\undefined%
      % Typeset a placeholder page.
      \thesis@blocks@clear%
      \begin{alwayssingle}%
        \thispagestyle{empty}%
        \addtocounter{page}{-\ifthesis@twoside@2\else1\fi}%
        \noindent\textit{\thesis@@{assignment}}%
      \end{alwayssingle}%
    \else%
      {\edef\@pdfList{\thesis@assignmentFiles}%
      \ifx\@pdfList\empty\else
        \let\ea\expandafter
        % Inject the specified PDF documents.
        \def\@inject##1,{\thesis@blocks@clear
          \def\@args{##1}\def\@relax{\relax}%
```

```
          \ifx\@args\@relax\else%
            % Trim leading spaces.
            \edef\@trimmed{\romannumeral-`\.##1}%
            \includepdf[pages=-]\@trimmed
            \ea\@inject\fi}%
        \ea\@inject\@pdfList,\relax,%
      \fi}%
    \fi%
  \fi}
```

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

```
\def\thesis@blocks@mainMatter{%
  \thesis@blocks@clear
  \setcounter{page}{1}
  \pagenumbering{arabic}
  \pagestyle{thesisheadings}
  \parindent 1.5em\relax}
```

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

```
% Table of contents will contain sectioning commands up to
% \subsubsection
\setcounter{tocdepth}{4}

% Load the `fithesis-1*.clo` size option
\input\thesis@stylepath mu/fithesis-1\thesis@ptsize.clo\relax

\def\ps@thesisheadings{%
\def\chaptermark##1{%
\markright{%
\ifnum\c@secnumdepth >\m@ne
\thechapter.\ %
\fi ##1}}
\let\@oddfoot\@empty
\let\@oddhead\@empty
\def\@oddhead{\vbox{\hbox to \textwidth{%
\hfil{\sc\rightmark}}\vskip 4pt\hrule}}
\if@twoside
 \def\@evenhead{\vbox{\hbox to \textwidth{%
 {\sc\rightmark}\hfil}\vskip 4pt\hrule}}
\else
 \let\@evenhead\@oddhead
\fi
\def\@oddfoot{\hfil\PageFont\thepage}
\if@twoside
```

```
 \def\@evenfoot{\PageFont\thepage\hfil}%
\else
 \let\@evenfoot\@oddfoot
\fi
\let\@mkboth\markboth
}

% Redefines the style of the chapter headings
\renewcommand*\chapter{%
\if@twoside
 \clearpage
 \thispagestyle{empty}
 \cleardoublepage
\else
 \clearpage
\fi
\thispagestyle{plain}%
\global\@topnum\z@
\@afterindentfalse
\secdef\@chapter\@schapter}

% Redefines the style of part headings
\renewcommand*\part{%
\clearpage
\thispagestyle{empty}
\cleardoublepage
\thispagestyle{empty}%
\if@twocolumn%
 \onecolumn
 \@tempswatrue
\else
 \@tempswafalse
\fi
\hbox{}\vfil
\secdef\@part\@spart}

\newif\if@restonecol
\def\alwayssingle{%
  \@restonecolfalse\if@twocolumn\@restonecoltrue\onecolumn\fi}
\def\endalwayssingle{\if@restonecol\twocolumn\fi}

\renewcommand*\l@part[2]{%
  \ifnum \c@tocdepth >-2\relax
    \addpenalty{-\@highpenalty}%
    \addvspace{0.5em \@plus\p@}%
    \begingroup
      \setlength\@tempdima{3em}%
      \parindent \z@ \rightskip \@pnumwidth
      \parfillskip -\@pnumwidth
      {\leavevmode
```

```
      \normalfont \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
      \nobreak
        \global\@nobreaktrue
        \everypar{\global\@nobreakfalse\everypar{}}%
    \endgroup
    \addvspace{0.2em \@plus\p@}%
  \fi}

\renewcommand*\l@chapter[2]{%
  \ifnum \c@tocdepth >\m@ne
    \addpenalty{-\@highpenalty}%
    \vskip 1.0em \@plus\p@
    \setlength\@tempdima{1.5em}%
    \begingroup
      \parindent \z@ \rightskip \@pnumwidth
      \parfillskip -\@pnumwidth
      \leavevmode \bfseries
      \advance\leftskip\@tempdima
      \hskip -\leftskip
      #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
      \penalty\@highpenalty
    \endgroup
  \fi}

\renewcommand*\l@chapter{\@dottedtocline{1}{0em}{1.5em}}
\renewcommand*\l@section{\@dottedtocline{2}{1.5em}{2.3em}}
\renewcommand*\l@subsection{\@dottedtocline{3}{3.8em}{3.2em}}
\renewcommand*\l@subsubsection{\@dottedtocline{4}{7.0em}{3.8em}}
```

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

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

```
⟨*opt⟩
⟨*10pt⟩
\ProvidesFile{fithesis/style/mu/fithesis-10.clo}[2015/06/23]

\renewcommand{\normalsize}{\fontsize\@xpt{12}\selectfont%
\abovedisplayskip 10\p@ plus2\p@ minus5\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip  \z@ plus3\p@
\belowdisplayshortskip  6\p@ plus3\p@ minus3\p@
\let\@listi\@listI}

\renewcommand{\small}{\fontsize\@ixpt{11}\selectfont%
\abovedisplayskip 8.5\p@ plus3\p@ minus4\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip \z@ plus2\p@
\belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
\def\@listi{\leftmargin\leftmargini
```

```
\topsep 4\p@ plus2\p@ minus2\p@\parsep 2\p@ plus\p@ minus\p@
\itemsep \parsep}}

\renewcommand{\footnotesize}{\fontsize\@viiipt{9.5}\selectfont%
\abovedisplayskip 6\p@ plus2\p@ minus4\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip \z@ plus\p@
\belowdisplayshortskip 3\p@ plus\p@ minus2\p@
\def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
\topsep 3\p@ plus\p@ minus\p@\parsep 2\p@ plus\p@ minus\p@
\itemsep \parsep}}

\renewcommand{\scriptsize}{\fontsize\@viipt{8pt}\selectfont}
\renewcommand{\tiny}{\fontsize\@vpt{6pt}\selectfont}
\renewcommand{\large}{\fontsize\@xiipt{14pt}\selectfont}
\renewcommand{\Large}{\fontsize\@xivpt{18pt}\selectfont}
\renewcommand{\LARGE}{\fontsize\@xviipt{22pt}\selectfont}
\renewcommand{\huge}{\fontsize\@xxpt{25pt}\selectfont}
\renewcommand{\Huge}{\fontsize\@xxvpt{30pt}\selectfont}

⟨/10pt⟩
```

3.6.2.4 The `style/mu/fithesis-11.clo` file

This file is conditionally loaded by the `style/mu/base.sty` file to redefine the page geometry to match the type size of 11 points.

```
⟨*11pt⟩
\ProvidesFile{fithesis/style/mu/fithesis-11.clo}[2015/06/23]

\renewcommand{\normalsize}{\fontsize\@xipt{14}\selectfont%
\abovedisplayskip 11\p@ plus3\p@ minus6\p@
\belowdisplayskip \abovedisplayskip
\belowdisplayshortskip  6.5\p@ plus3.5\p@ minus3\p@
%\abovedisplayshortskip  \z@ plus3\@p
\let\@listi\@listI}

\renewcommand{\small}{\fontsize\@xpt{12}\selectfont%
\abovedisplayskip 10\p@ plus2\p@ minus5\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip  \z@ plus3\p@
\belowdisplayshortskip  6\p@ plus3\p@ minus3\p@
\def\@listi{\leftmargin\leftmargini
\topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
\itemsep \parsep}}

\renewcommand{\footnotesize}{\fontsize\@ixpt{11}\selectfont%
\abovedisplayskip 8\p@ plus2\p@ minus4\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip \z@ plus\p@
\belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
```

```
\def\@listi{\leftmargin\leftmargini
\topsep 4\p@ plus2\p@ minus2\p@\parsep 2\p@ plus\p@ minus\p@
\itemsep \parsep}}

\renewcommand{\scriptsize}{\fontsize\@viiipt{9.5pt}\selectfont}
\renewcommand{\tiny}{\fontsize\@vipt{7pt}\selectfont}
\renewcommand{\large}{\fontsize\@xiipt{14pt}\selectfont}
\renewcommand{\Large}{\fontsize\@xivpt{18pt}\selectfont}
\renewcommand{\LARGE}{\fontsize\@xviipt{22pt}\selectfont}
\renewcommand{\huge}{\fontsize\@xxpt{25pt}\selectfont}
\renewcommand{\Huge}{\fontsize\@xxvpt{30pt}\selectfont}

⟨/11pt⟩
```

3.6.2.5 The `style/mu/fithesis-12.clo` file

This file is conditionally loaded by the `style/mu/base.sty` file to redefine the page geometry to match the type size of 12 points. The type dimensions defined by the file are stored in the following private macros as well:

- `\thesis@titlePage@normalsize` – Equivalent to `\normalsize`
- `\thesis@titlePage@small` – Equivalent to `\small`
- `\thesis@titlePage@footnotesize` – Equivalent to `\footnotesize`
- `\thesis@titlePage@scriptsize` – Equivalent to `\scriptsize`
- `\thesis@titlePage@tiny` – Equivalent to `\tiny`
- `\thesis@titlePage@large` – Equivalent to `\large`
- `\thesis@titlePage@Large` – Equivalent to `\Large`
- `\thesis@titlePage@LARGE` – Equivalent to `\LARGE`
- `\thesis@titlePage@huge` – Equivalent to `\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.

```
⟨*12pt⟩
\ProvidesFile{fithesis/style/mu/fithesis-12.clo}[2015/06/23]
⟨/12pt⟩

\def\thesis@titlePage@normalsize{\fontsize\@xiipt{14.5}%
\selectfont\abovedisplayskip 12\p@ plus3\p@ minus7\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip  \z@ plus3\p@
\belowdisplayshortskip  6.5\p@ plus3.5\p@ minus3\p@
\let\@listi\@listI}
```

```
\def\thesis@titlePage@small{\fontsize\@xipt{13.6}\selectfont%
\abovedisplayskip 11\p@ plus3\p@ minus6\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip  \z@ plus3\p@
\belowdisplayshortskip  6.5\p@ plus3.5\p@ minus3\p@
\def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
\parsep 4.5\p@ plus2\p@ minus\p@
            \itemsep \parsep
            \topsep 9\p@ plus3\p@ minus5\p@}}

\def\thesis@titlePage@footnotesize{\fontsize\@xpt{12}\selectfont%
\abovedisplayskip 10\p@ plus2\p@ minus5\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip  \z@ plus3\p@
\belowdisplayshortskip  6\p@ plus3\p@ minus3\p@
\def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
\topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
\itemsep \parsep}}

\def\thesis@titlePage@scriptsize{\fontsize\@viiipt{9.5pt}\selectfont}
\def\thesis@titlePage@tiny{\fontsize\@vipt{7pt}\selectfont}
\def\thesis@titlePage@large{\fontsize\@xivpt{18pt}\selectfont}
\def\thesis@titlePage@Large{\fontsize\@xviipt{22pt}\selectfont}
\def\thesis@titlePage@LARGE{\fontsize\@xxpt{25pt}\selectfont}
\def\thesis@titlePage@huge{\fontsize\@xxvpt{30pt}\selectfont}
\def\thesis@titlePage@Huge{\fontsize\@xxvpt{30pt}\selectfont}

⟨*12pt⟩
\renewcommand{\normalsize}{\thesis@titlePage@normalsize}
\renewcommand{\small}{\thesis@titlePage@small}
\renewcommand{\footnotesize}{\thesis@titlePage@footnotesize}
\renewcommand{\scriptsize}{\thesis@titlePage@scriptsize}
\renewcommand{\tiny}{\thesis@titlePage@tiny}
\renewcommand{\large}{\thesis@titlePage@large}
\renewcommand{\Large}{\thesis@titlePage@Large}
\renewcommand{\LARGE}{\thesis@titlePage@LARGE}
\renewcommand{\huge}{\thesis@titlePage@huge}
\renewcommand{\Huge}{\thesis@titlePage@Huge}
⟨/12pt⟩
\let\@normalsize\normalsize
\normalsize

\if@twoside
   \oddsidemargin 0.75in
   \evensidemargin 0.4in
   \marginparwidth 0pt
\else
   \oddsidemargin 0.75in
   \evensidemargin 0.75in
```

```
   \marginparwidth 0pt
\fi
\marginparsep 10pt

\topmargin 0.4in

\headheight 20pt
\headsep 10pt
\topskip 10pt
\footskip 30pt

⟨*10pt⟩
\textheight = 43\baselineskip
\advance\textheight by \topskip
\textwidth 5.0truein
\columnsep 10pt
\columnseprule 0pt

\footnotesep 6.65pt
\skip\footins 9pt plus 4pt minus 2pt
\floatsep 12pt plus 2pt minus 2pt
\textfloatsep 20pt plus 2pt minus 4pt
\intextsep 12pt plus 2pt minus 2pt
\dblfloatsep 12pt plus 2pt minus 2pt
\dbltextfloatsep 20pt plus 2pt minus 4pt

\@fptop 0pt plus 1fil
\@fpsep 8pt plus 2fil
\@fpbot 0pt plus 1fil
\@dblfptop 0pt plus 1fil
\@dblfpsep 8pt plus 2fil
\@dblfpbot 0pt plus 1fil
\marginparpush 5pt

\parskip 0pt plus 1pt
\partopsep 2pt plus 1pt minus 1pt

⟨/10pt⟩
%
⟨*11pt⟩
\textheight = 39\baselineskip
\advance\textheight by \topskip
\textwidth 5.0truein
\columnsep 10pt
\columnseprule 0pt

\footnotesep 7.7pt
\skip\footins 10pt plus 4pt minus 2pt
\floatsep 12pt plus 2pt minus 2pt
\textfloatsep 20pt plus 2pt minus 4pt
```

```
\intextsep 12pt plus 2pt minus 2pt
\dblfloatsep 12pt plus 2pt minus 2pt
\dbltextfloatsep 20pt plus 2pt minus 4pt

\@fptop 0pt plus 1fil
\@fpsep 8pt plus 2fil
\@fpbot 0pt plus 1fil
\@dblfptop 0pt plus 1fil
\@dblfpsep 8pt plus 2fil
\@dblfpbot 0pt plus 1fil
\marginparpush 5pt

\parskip 0pt plus 0pt
\partopsep 3pt plus 1pt minus 2pt

⟨/11pt⟩
%
⟨*12pt⟩
\textheight = 37\baselineskip
\advance\textheight by \topskip
\textwidth 5.0truein
\columnsep 10pt
\columnseprule 0pt

\footnotesep 8.4pt
\skip\footins 10.8pt plus 4pt minus 2pt
\floatsep 14pt plus 2pt minus 4pt
\textfloatsep 20pt plus 2pt minus 4pt
\intextsep 14pt plus 4pt minus 4pt
\dblfloatsep 14pt plus 2pt minus 4pt
\dbltextfloatsep 20pt plus 2pt minus 4pt

\@fptop 0pt plus 1fil
\@fpsep 10pt plus 2fil
\@fpbot 0pt plus 1fil
\@dblfptop 0pt plus 1fil
\@dblfpsep 10pt plus 2fil
\@dblfpbot 0pt plus 1fil
\marginparpush 7pt

\parskip 0pt plus 0pt
\partopsep 3pt plus 2pt minus 2pt

⟨/12pt⟩
\@lowpenalty   51
\@medpenalty  151
\@highpenalty 301
\@beginparpenalty -\@lowpenalty
\@endparpenalty   -\@lowpenalty
\@itempenalty     -\@lowpenalty
```

```
1457
1458 \def\@makechapterhead#1{%
1459   {%
1460     \setlength\parindent{\z@}%
1461     \setlength\parskip  {\z@}%
1462     \ifnum
1463       \c@secnumdepth >\m@ne
1464       \par\nobreak
1465       \vskip 10\p@
1466     \fi
1467     \Large \ChapFont \thechapter{} \space #1\par
1468     \nobreak
1469     \vskip 20\p@
1470   }%
1471 }
1472
1473 \def\@makeschapterhead#1{%
1474   {%
1475     \setlength\parindent{\z@}%
1476     \setlength\parskip  {\z@}%
1477     \Large \ChapFont #1\par
1478     \nobreak
1479     \vskip 20\p@
1480   }%
1481 }
1482
1483 \def\chapter{%
1484    \clearpage
1485    \thispagestyle{plain}
1486    \global\@topnum\z@
1487    \@afterindentfalse
1488    \secdef\@chapter\@schapter
1489  }
1490
1491 \def\@chapter[#1]#2{%
1492   \ifnum \c@secnumdepth
1493     >\m@ne
1494     \refstepcounter{chapter}%
1495     \typeout{\@chapapp\space\thechapter.}%
1496     \addcontentsline{toc}{chapter}{\protect
1497     \numberline{\thechapter}\bfseries #1}
1498   \else%
1499     \addcontentsline{toc}{chapter}{\bfseries #1}
1500   \fi
1501   \chaptermark{#1}%
1502   \addtocontents{lof}%
1503   {\protect\addvspace{4\p@}}
1504   \addtocontents{lot}%
1505   {\protect\addvspace{4\p@}}
1506   \if@twocolumn
```

```
    \@topnewpage[\@makechapterhead{#2}]%
  \else
    \@makechapterhead{#2}%
    \@afterheading
  \fi
}

%\def\@schapter#1{\if@twocolumn \@topnewpage[\@makeschapterhead{#1}]%
%        \else \@makeschapterhead{#1}%
%              \markright{#1}
%              \@afterheading\fi}

\def\section{\@startsection {section}{1}{\z@}{-3.5ex plus-1ex minus
    -.2ex}{2.3ex plus.2ex}{\reset@font\large\bfseries}}
\def\subsection{\@startsection{subsection}{2}{\z@}{-3.25ex plus-1ex
    minus-.2ex}{1.5ex plus.2ex}{\reset@font\normalsize\bfseries}}
\def\subsubsection{\@startsection{subsubsection}{3}{\z@}{-3.25ex plus
    -1ex minus-.2ex}{1.5ex plus.2ex}{\reset@font\normalsize}}
\def\paragraph{\@startsection
    {paragraph}{4}{\z@}{3.25ex plus1ex minus.2ex}{-1em}{\reset@font
    \normalsize\bfseries}}
\def\subparagraph{\@startsection
     {subparagraph}{4}{\parindent}{3.25ex plus1ex minus
     .2ex}{-1em}{\reset@font\normalsize\bfseries}}

\setcounter{secnumdepth}{2}

\def\appendix{\par
  \setcounter{chapter}{0}%
  \setcounter{section}{0}%
  \def\@chapapp{\appendixname}%
  \def\thechapter{\Alph{chapter}}}

\leftmargini 2.5em
\leftmarginii 2.2em     % > \labelsep + width of '(m)'
\leftmarginiii 1.87em   % > \labelsep + width of 'vii.'
\leftmarginiv 1.7em     % > \labelsep + width of 'M.'
\leftmarginv 1em
\leftmarginvi 1em

\leftmargin\leftmargini
\labelsep .5em
\labelwidth\leftmargini\advance\labelwidth-\labelsep

⟨*10pt⟩
\def\@listI{\leftmargin\leftmargini \parsep 4\p@ plus2\p@ minus\p@%
\topsep 8\p@ plus2\p@ minus4\p@
\itemsep 4\p@ plus2\p@ minus\p@}

\let\@listi\@listI
```

```
\@listi

\def\@listii{\leftmargin\leftmarginii
   \labelwidth\leftmarginii\advance\labelwidth-\labelsep
   \topsep 4\p@ plus2\p@ minus\p@
   \parsep 2\p@ plus\p@ minus\p@
   \itemsep \parsep}

\def\@listiii{\leftmargin\leftmarginiii
    \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
    \topsep 2\p@ plus\p@ minus\p@
    \parsep \z@ \partopsep\p@ plus\z@ minus\p@
    \itemsep \topsep}

\def\@listiv{\leftmargin\leftmarginiv
     \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}

\def\@listv{\leftmargin\leftmarginv
     \labelwidth\leftmarginv\advance\labelwidth-\labelsep}

\def\@listvi{\leftmargin\leftmarginvi
     \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
⟨/10pt⟩
%
⟨*11pt⟩
\def\@listI{\leftmargin\leftmargini \parsep 4.5\p@ plus2\p@ minus\p@
\topsep 9\p@ plus3\p@ minus5\p@
\itemsep 4.5\p@ plus2\p@ minus\p@}

\let\@listi\@listI
\@listi

\def\@listii{\leftmargin\leftmarginii
   \labelwidth\leftmarginii\advance\labelwidth-\labelsep
   \topsep 4.5\p@ plus2\p@ minus\p@
   \parsep 2\p@ plus\p@ minus\p@
   \itemsep \parsep}

\def\@listiii{\leftmargin\leftmarginiii
    \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
    \topsep 2\p@ plus\p@ minus\p@
    \parsep \z@ \partopsep \p@ plus\z@ minus\p@
    \itemsep \topsep}

\def\@listiv{\leftmargin\leftmarginiv
     \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}

\def\@listv{\leftmargin\leftmarginv
     \labelwidth\leftmarginv\advance\labelwidth-\labelsep}

```

```
\def\@listvi{\leftmargin\leftmarginvi
      \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
⟨/11pt⟩
%
⟨*12pt⟩
\def\@listI{\leftmargin\leftmargini \parsep 5\p@ plus2.5\p@ minus\p@
\topsep 10\p@ plus4\p@ minus6\p@
\itemsep 5\p@ plus2.5\p@ minus\p@}

\let\@listi\@listI
\@listi

\def\@listii{\leftmargin\leftmarginii
   \labelwidth\leftmarginii\advance\labelwidth-\labelsep
   \topsep 5\p@ plus2.5\p@ minus\p@
   \parsep 2.5\p@ plus\p@ minus\p@
   \itemsep \parsep}

\def\@listiii{\leftmargin\leftmarginiii
    \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
    \topsep 2.5\p@ plus\p@ minus\p@
    \parsep \z@ \partopsep \p@ plus\z@ minus\p@
    \itemsep \topsep}

\def\@listiv{\leftmargin\leftmarginiv
     \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}

\def\@listv{\leftmargin\leftmarginv
     \labelwidth\leftmarginv\advance\labelwidth-\labelsep}

\def\@listvi{\leftmargin\leftmarginvi
     \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
⟨/12pt⟩
⟨/opt⟩
```

3.6.3 The style files of the Faculty of Informatics

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

This is the style file for the theses written at the Faculty of Informatics at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty[1].

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-fi}[2015/06/23]
```

The file defines the color scheme of the respective faculty.

```
\thesis@color@setup{
  links={HTML}{FFD451},
```

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

```
  tableEmph={HTML}{FFD451},
  tableOdd={HTML}{FFF9E5},
  tableEven={HTML}{FFECB3}}
```

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

```
\ifx\thesis@type\thesis@bachelors\else
\ifx\thesis@type\thesis@masters\else
  \thesis@blocks@assignment@false
\fi\fi
```

`\thesis@blocks@titlePage` The style file redefines the cover and title page footers to include the thesis advisor's name and signature in case of a rigorous thesis. Along with the macros required by the locale file interface, the locale files need to define the following private macros:

`\thesis@advisorSignature`

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

```
\def\thesis@blocks@titlePage@content{%
   {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}\vskip 0.8in
   {\thesis@titlePage@large\sc\thesis@@{typeName}\\[0.3in]}
   {\thesis@titlePage@Large\bf\thesis@author}
   % If this is a rigorous thesis, typeset the name of the
   % thesis advisor.
   \ifx\thesis@type\thesis@rigorous%
     {\thesis@titlePage@large\\[0.3in]
       {\bf\thesis@@{advisorTitle}:} \thesis@advisor}
   \fi}%
\def\thesis@blocks@titlePage@footer{%
 {\thesis@titlePage@large\thesis@place, \thesis@@{semester}
 % If this is a rigorous thesis, create space for the advisor's
 % signature
 \ifx\thesis@type\thesis@rigorous%
   \let\@A\relax\newlength{\@A}
     \settowidth{\@A}{\thesis@@{advisorSignature}}
     \setlength{\@A}{\@A+1cm}
   \hfill\raisebox{-0.5em}{\parbox{\@A}{
     \centering
     \rule{\@A}{1pt}\\
     \thesis@@{advisorSignature}
   }}
 \fi}}
```

`\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.

```
\def\thesis@blocks@declaration{%
 \thesis@blocks@clear%
 \begin{alwayssingle}%
```

```
    \chapter*{\thesis@@{declarationTitle}}%
    \thesis@declaration%
    \vskip 2cm%
    \hfill\thesis@author%
    \par\vfill%
    \textbf{\thesis@@{advisorTitle}:} \thesis@advisor%
    \par\vfil%
  \end{alwayssingle}}
```

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

```
\def\thesis@preamble{%
  \thesis@blocks@cover%
  \thesis@blocks@titlePage%
  \thesis@blocks@frontMatter%
    \thesis@blocks@assignment%
    \thesis@blocks@declaration%
    \thesis@blocks@thanks%
    \thesis@blocks@clearRight%
      \thesis@blocks@abstract%
      \thesis@blocks@keywords%
    \thesis@blocks@tables%
  \thesis@blocks@mainMatter}
```

3.6.4 The style files of the Faculty of Science

3.6.4.1 The `style/mu/fithesis-sci.sty` file

This is the style file for the theses written at the Faculty of Science at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty[2].

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-sci}[2015/06/23]
```

The file defines the color scheme of the respective faculty.

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

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

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

The file loads the following packages:

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

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

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

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

```
\ifx\thesis@type\thesis@bachelors\else
\ifx\thesis@type\thesis@masters\else
  \thesis@blocks@assignment@false
\fi\fi
```

`\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

`\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

```
\def\thesis@blocks@bibEntry{%
  \begin{alwayssingle}
    {% Start the new chapter without clearing the right page
    {\def\cleardoublepage{}%
    \chapter*{\thesis@czech@bib@title}}%
    % Calculate the width of the columns
    \let\@A\relax\newlength{\@A}\settowidth{\@A}{{%
      \bf\thesis@czech@bib@author:}}
    \let\@B\relax\newlength{\@B}\settowidth{\@B}{{%
      \bf\thesis@czech@bib@thesisTitle:}}
    \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
      \bf\thesis@czech@bib@programme:}}
    \let\@D\relax\newlength{\@D}\settowidth{\@D}{{%
      \bf\thesis@czech@bib@field:}}
    % Unless this is a rigorous thesis, we will be typesetting the
```

```
  % name of the thesis advisor.
  \let\@E\relax\newlength{\@E}
    \ifx\thesis@type\thesis@rigorous%
      \setlength{\@E}{0pt}%
    \else%
      \settowidth{\@E}{{\bf\thesis@czech@bib@advisor:}}
    \fi%
  \let\@F\relax\newlength{\@F}\settowidth{\@F}{{%
    \bf\thesis@czech@bib@academicYear:}}
  \let\@G\relax\newlength{\@G}\settowidth{\@G}{{%
    \bf\thesis@czech@bib@pages:}}
  \let\@H\relax\newlength{\@H}\settowidth{\@H}{{%
    \bf\thesis@czech@bib@keywords:}}
  \let\@skip\relax\newlength{\@skip}\setlength{\@skip}{16pt}
  \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
    max(\@A,\@B,\@C,\@D,\@E,\@F,\@G,\@H)}
  \let\@right\relax\newlength{\@right}\setlength{\@right}{%
    \textwidth-\@left-\@skip}
  % Typeset the table
  \renewcommand{\arraystretch}{2}
  \noindent\begin{thesis@newtable@old}%
    {@{}p{\@left}@{\hskip\@skip}p{\@right}@{}}
    \textbf{\thesis@czech@bib@author:} &
      \noindent\parbox[t]{\@right}{
        \thesis@author\\
        \thesis@czech@facultyName,
        \thesis@czech@universityName\\
        \thesis@department
      }\\
    \textbf{\thesis@czech@bib@thesisTitle:}
      & \thesis@title \\
    \textbf{\thesis@czech@bib@programme:}
      & \thesis@programme \\
    \textbf{\thesis@czech@bib@field:}
      & \thesis@field \\
    % Unless this is a rigorous thesis, typeset the name of the
    % thesis advisor.
    \ifx\thesis@type\thesis@rigorous\else%
      \textbf{\thesis@czech@bib@advisor:}
        & \thesis@advisor \\
    \fi
    \textbf{\thesis@czech@bib@academicYear:}
      & \thesis@academicYear \\
    \textbf{\thesis@czech@bib@pages:}
      & \thesis@pages \\
    \textbf{\thesis@czech@bib@keywords:}
      & \thesis@TeXkeywords \\
  \end{thesis@newtable@old}}
\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

```
\def\thesis@blocks@bibEntryEn{%
  {\def\thesis@locale{english}
  \begin{alwayssingle}
    % Start the new chapter without clearing the right page
    {\def\cleardoublepage{}%
    \chapter*{\thesis@english@bib@title}}%
    {% Calculate the width of the columns
    \let\@A\relax\newlength{\@A}\settowidth{\@A}{{%
      \bf\thesis@english@bib@author:}}
    \let\@B\relax\newlength{\@B}\settowidth{\@B}{{%
      \bf\thesis@english@bib@thesisTitle:}}
    \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
      \bf\thesis@english@bib@programme:}}
    \let\@D\relax\newlength{\@D}\settowidth{\@D}{{%
      \bf\thesis@english@bib@field:}}
    % Unless this is a rigorous thesis, we will be typesetting
    % the name of the thesis advisor.
    \let\@E\relax\newlength{\@E}
      \ifx\thesis@type\thesis@rigorous%
        \setlength{\@E}{0pt}%
      \else%
        \settowidth{\@E}{{\bf\thesis@english@bib@advisor:}}
      \fi%
    \let\@F\relax\newlength{\@F}\settowidth{\@F}{{%
      \bf\thesis@english@bib@academicYear:}}
    \let\@G\relax\newlength{\@G}\settowidth{\@G}{{%
      \bf\thesis@english@bib@pages:}}
    \let\@H\relax\newlength{\@H}\settowidth{\@H}{{%
      \bf\thesis@english@bib@keywords:}}
```

```
    \let\@skip\relax\newlength{\@skip}\setlength{\@skip}{16pt}
    \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
      max(\@A,\@B,\@C,\@D,\@E,\@F,\@G,\@H)}
    \let\@right\relax\newlength{\@right}\setlength{\@right}{%
      \textwidth-\@left-\@skip}
    % Typeset the table
    \renewcommand{\arraystretch}{2}
    \noindent\begin{thesis@newtable@old}%
      {@{}p{\@left}@{\hskip\@skip}p{\@right}@{}}
        \textbf{\thesis@english@bib@author:} &
          \noindent\parbox[t]{\@right}{
            \thesis@author\\
            \thesis@english@facultyName,
            \thesis@english@universityName\\
            \thesis@departmentEn
          }\\
        \textbf{\thesis@english@bib@thesisTitle:}
          & \thesis@titleEn \\
        \textbf{\thesis@english@bib@programme:}
          & \thesis@programmeEn \\
        \textbf{\thesis@english@bib@field:}
          & \thesis@fieldEn \\
        % Unless this is a rigorous thesis, typeset the name of the
        % thesis advisor.
        \ifx\thesis@type\thesis@rigorous\else%
          \textbf{\thesis@english@bib@advisor:}
            & \thesis@advisor \\
        \fi
        \textbf{\thesis@english@bib@academicYear:}
          & \thesis@academicYear \\
        \textbf{\thesis@english@bib@pages:}
          & \thesis@pages \\
        \textbf{\thesis@english@bib@keywords:}
          & \thesis@TeXkeywordsEn \\
      \end{thesis@newtable@old}}
    \end{alwayssingle}
  }}
```

`\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.

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

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

```
\def\thesis@blocks@cover{%
```

```
\ifthesis@cover@
  \thesis@blocks@clear
  \ifthesis@twoside@\@twosidefalse\fi % Temporarily disable twoside
  \begin{alwayssingle}
    \thispagestyle{empty}
    \begin{center}
    {\sc\thesis@titlePage@LARGE\thesis@czech@universityName\\%
        \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%
        \thesis@titlePage@large\thesis@department}
    \vfill
    {\bf\thesis@titlePage@Huge\thesis@czech@typeName}
    \vfill
    {\thesis@titlePage@large\thesis@place
     \ \thesis@year\hfill\thesis@author}
    \end{center}
  \end{alwayssingle}
  \ifthesis@twoside@\@twosidetrue\fi % Re-enable twoside
\fi}
```

`\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`.

```
\def\thesis@blocks@titlePage{{%
  \edef\thesis@logopath@color{\thesis@logopath\ifthesis@color@ color/\fi}
  \thesis@blocks@clear
  \ifthesis@twoside@\@twosidefalse\fi % Temporarily disable twoside
  \begin{alwayssingle}
    \thispagestyle{empty}
    % The top of the page
    \begin{adjustwidth}{-12mm}{}
      \begin{minipage}{30mm}
        \thesis@blocks@universityLogo@color[width=30mm]
      \end{minipage}\begin{minipage}{89mm}
        \begin{center}
          {\sc\thesis@titlePage@LARGE\thesis@czech@universityName\\%
              \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%
              \thesis@titlePage@normalsize\thesis@department}
          \rule{\textwidth}{2pt}\vspace*{2mm}
        \end{center}
      \end{minipage}\begin{minipage}{30mm}
        \thesis@blocks@facultyLogo@color[width=30mm]
      \end{minipage}
    \end{adjustwidth}
    % The middle of the page
    \vfill
    {\bf\thesis@titlePage@Huge\thesis@TeXtitle\\[0.8em]}
    {\thesis@titlePage@large\thesis@czech@typeName\\[1em]}
    {\bf\thesis@titlePage@LARGE\thesis@author}\\
    \vfill\noindent
```

```
    % The bottom of the page
    {\bf\thesis@titlePage@normalsize%
      % Unless this is a rigorous thesis, typeset the name of the
      % thesis advisor.
      \ifx\thesis@type\thesis@rigorous\else%
          \thesis@czech@advisorTitle: \thesis@advisor\hfill%
      \fi%
      \thesis@place\ \thesis@year}
  \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.

```
\def\thesis@preamble{%
  {\def\thesis@locale{czech}%
  \thesis@blocks@cover%
  \thesis@blocks@frontMatter%
    \thesis@blocks@titlePage%
    \thesis@blocks@clearRight%
      \thesis@blocks@bibEntry%
      \thesis@blocks@bibEntryEn%
      \thesis@blocks@abstract%
      \thesis@blocks@abstractEn%
    \thesis@blocks@assignment%
    \thesis@blocks@thanks%
    \thesis@blocks@declaration%
    \thesis@blocks@tables}%
  \thesis@blocks@mainMatter}
```

3.6.5 The style files of the Faculty of Arts

3.6.5.1 The `style/mu/fithesis-phil.sty` file

This is the style file for the theses written at the Faculty of Arts at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty[3].

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-phil}[2015/06/23]
```

The file defines the color scheme of the respective faculty.

```
\thesis@color@setup{
  links={HTML}{6FCEF2},
  tableEmph={HTML}{78CEF0},
```

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

```
  tableOdd={HTML}{EBF6FA},
  tableEven={HTML}{D0EBF5}}
```

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

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

```
\def\thesis@preamble{%
  \thesis@blocks@cover%
  \thesis@blocks@titlePage%
  \thesis@blocks@frontMatter%
    \thesis@blocks@declaration%
    \thesis@blocks@thanks%
    \thesis@blocks@tables%
  \thesis@blocks@mainMatter}
```

3.6.6 The style files of the Faculty of Education

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

This is the style file for the theses written at the Faculty of Education at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty[4].

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-ped}[2015/06/23]
```

The file defines the color scheme of the respective faculty.

```
\thesis@color@setup{
  links={HTML}{FFA02F},
  tableEmph={HTML}{FFBB6B},
  tableOdd={HTML}{FFF1E0},
  tableEven={HTML}{FFDEB7}}
```

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

```
\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@titlePage@department@true
\def\thesis@blocks@titlePage@content{%
    {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}\vskip 0.8in
    {\thesis@titlePage@large\sc\thesis@@{typeName}\\[0.3in]}
    {\thesis@titlePage@Large\bf\thesis@author}
    % Typeset the name of the thesis advisor.
```

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

```
    {\thesis@titlePage@large\\[0.3in]
      {\bf\thesis@@{advisorTitle}:} \thesis@advisor}}
```

`\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

```
\def\thesis@blocks@bibEntry{%
  \chapter*{\thesis@@{bib@title}}
  \noindent\thesis@upper{author@tail}, \thesis@author@head.
  \emph{\thesis@title}. \thesis@place: \thesis@@{universityName},
  \thesis@@{facultyName}, \thesis@department, \thesis@year.
  \thesis@pages\ \thesis@@{bib@pages}.
  \thesis@@{advisorTitle}: \thesis@advisor}
```

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.

```
\def\thesis@preamble{%
  \thesis@blocks@cover%
  \thesis@blocks@titlePage%
  \thesis@blocks@frontMatter%
    \thesis@blocks@bibEntry%
    \thesis@blocks@clearRight%
      \thesis@blocks@abstract%
      \thesis@blocks@abstractEn%
      \thesis@blocks@keywords%
      \thesis@blocks@keywordsEn%
    \thesis@blocks@declaration%
    \thesis@blocks@thanks%
    \thesis@blocks@tables%
  \thesis@blocks@mainMatter}
```

3.6.7 The style files of the Faculty of Social Studies

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

This is the style file for the theses written at the Faculty of Social Studies at the Masaryk University in Brno. Because of the inexistence of faculty-wide formal requirements and recommendations with each department defining their own

with varying degrees of rigour[5], this style is a mere skeleton, which is unlikely to satisfy the exact requirements of any department and will require modification by the user.

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-fss}[2015/06/23]
```

The file defines the color scheme of the respective faculty.

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

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

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

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

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

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.

```
\def\thesis@preamble{%
  \thesis@blocks@cover%
  \thesis@blocks@titlePage%
  \thesis@blocks@frontMatter%
    \thesis@blocks@clearRight%
      \thesis@blocks@abstract%
      \thesis@blocks@abstractEn%
      \thesis@blocks@keywords%
      \thesis@blocks@keywordsEn%
    \thesis@blocks@assignment%
    \thesis@blocks@declaration%
    \thesis@blocks@thanks%
    \thesis@blocks@tables%
  \thesis@blocks@mainMatter}
```

[5] 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

3.6.8 The style files of the Faculty of Law

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

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

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-law}[2015/06/23]
```

The file defines the color scheme of the respective faculty.

```
\thesis@color@setup{
  links={HTML}{CF86EB},
  tableEmph={HTML}{D39BE8},
  tableOdd={HTML}{F2EBF5},
  tableEven={HTML}{E5CCED}}
```

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

```
\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.

```
\def\thesis@blocks@cover@header{%
  {\sc\thesis@titlePage@Large\thesis@@{facultyLongName}\\%
    \thesis@titlePage@large\thesis@department\\\vskip 2em}}
\let\thesis@blocks@titlePage@header=\thesis@blocks@cover@header
```

`\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.

```
\def\thesis@blocks@frontMatter{%
  \thesis@blocks@clear
  \pagestyle{plain}
  \parindent 1.5em
  \setcounter{page}{1}
  \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.

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

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

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.

```
\def\thesis@preamble{%
  \thesis@blocks@cover%
  \thesis@blocks@titlePage%
  \thesis@blocks@frontMatter%
    \thesis@blocks@declaration%
    \thesis@blocks@clearRight%
      \thesis@blocks@abstract%
      \thesis@blocks@abstractEn%
      \thesis@blocks@keywords%
      \thesis@blocks@keywordsEn%
    \thesis@blocks@thanks%
    \thesis@blocks@tables%
  \thesis@blocks@mainMatter}
```

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

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

3.6.9 The style files of the Faculty of Economics and Administration

3.6.9.1 The `style/mu/fithesis-econ.sty` file

This is the style file for the theses written at the Faculty of Economics and Administration at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty[7].

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-econ}[2015/06/23]
```

The file defines the color scheme of the respective faculty.

```
\thesis@color@setup{
  links={HTML}{E68935},
  tableEmph={HTML}{E8B88B},
  tableOdd={HTML}{F5ECEB},
  tableEven={HTML}{EBD8D5}}
```

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

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

The file loads the following packages:

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

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

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.

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

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

```
\def\thesis@blocks@cover{%
  \ifthesis@cover@
    \thesis@blocks@clear
    \begin{alwayssingle}
      \thispagestyle{empty}
      \begin{center}
      {\sc\thesis@titlePage@LARGE\thesis@@{universityName}\\%
          \thesis@titlePage@Large\thesis@@{facultyName}\\}
      \vfill
      {\bf\thesis@titlePage@Huge\thesis@@{typeName}}
      \vfill
      {\thesis@titlePage@large\thesis@place
       \ \thesis@year\hfill\thesis@author}
      \end{center}
    \end{alwayssingle}
  \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.

```
\thesis@blocks@titlePage@field@true
\def\thesis@blocks@titlePage@content{%
  {\thesis@titlePage@Huge\bf\thesis@TeXtitle}
  \ifthesis@english\else
    {\\[0.1in]\thesis@titlePage@Large\bf\thesis@TeXtitleEn}
  \fi {\\[0.3in]\thesis@titlePage@large\sc\thesis@@{typeName}\\}}
\def\thesis@blocks@titlePage@footer{%
  {\thesis@titlePage@large
    {% Calculate the width of the thesis author and advisor boxes
     \let\@A\relax\newlength{\@A}\settowidth{\@A}{{%
       \bf\thesis@@{advisorTitle}:}}
     \let\@B\relax\newlength{\@B}\settowidth{\@B}{\thesis@advisor}
     \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
       \bf\thesis@@{authorTitle}:}}
     \let\@D\relax\newlength{\@D}\settowidth{\@D}{\thesis@author}
    \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
      max(\@A,\@B)}
    \let\@right\relax\newlength{\@right}\pgfmathsetlength{\@right}{%
      max(\@C,\@D)}
    % Typeset the thesis author and advisor boxes
```

```
    \vskip 2in\begin{minipage}[t]{\@left}
      {\bf\thesis@@{advisorTitle}:}\\\thesis@advisor
    \end{minipage}\hfill\begin{minipage}[t]{\@right}
      {\bf\thesis@@{authorTitle}:}\\\thesis@author
    \end{minipage}}\\[4em]\thesis@place, \thesis@year}}
```

\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.

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

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

\thesis@blocks@toc

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

```
\def\thesis@blocks@toc{%
  \thesis@blocks@clear%
  \tableofcontents}
% \end{macro}\begin{macro}{\thesis@blocks@tables}
% The |\thesis@blocks@tables| private macro optionally typesets the
% |\listoftables| and |\listoffigures|.
% \begin{macrocode}
\def\thesis@blocks@tables{%
  \thesis@blocks@clear%
  \thesis@blocks@lot%
  \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.

```
\def\thesis@preamble{%
  \thesis@blocks@cover%
  \thesis@blocks@frontMatter%
```

```
    \thesis@blocks@titlePage%
    \thesis@blocks@assignment%
    \thesis@blocks@clearRight%
      \thesis@blocks@abstract%
      \thesis@blocks@abstractEn%
      \thesis@blocks@keywords%
      \thesis@blocks@keywordsEn%
    \thesis@blocks@declaration%
    \thesis@blocks@thanks%
    \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.

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

3.6.10 The style files of the Faculty of Medicine

3.6.10.1 The `style/mu/fithesis-med.sty` file

This is the style file for the theses written at the Faculty of Medicine at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the Department of Optometry and Orthoptics[8].

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-med}[2015/06/23]
```

The file defines the color scheme of the respective faculty.

```
\thesis@color@setup{
  links={HTML}{F58E76},
  tableEmph={HTML}{FF9D85},
  tableOdd={HTML}{FFF5F6},
  tableEven={HTML}{FFDEDF}}
```

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

```
\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.

```
\thesis@require{tikz}
```

[8] See http://is.muni.cz/do/med/zpravyprac/Optometrie/NALEZITOSTI_ZAVERECNE_PRACE.doc

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

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

```
\def\thesis@blocks@cover{%
  \ifthesis@cover@
    \thesis@blocks@clear
    \begin{alwayssingle}
      \thispagestyle{empty}
      \begin{center}
      {\sc\thesis@titlePage@LARGE\thesis@@{universityName}\\%
          \thesis@titlePage@Large\thesis@@{facultyName}\\}
      \vfill
      {\bf\thesis@titlePage@Huge\thesis@@{typeName}}
      \vfill
      {\thesis@titlePage@large\thesis@place
       \ \thesis@year\hfill\thesis@author}
      \end{center}
    \end{alwayssingle}
  \fi}
% \end{macro}
% The style file redefines the title page content
% not to include the author's name and the title page footer
% to include both the author's and advisor's name, the field of
% study and the semester and place of the thesis defense as per
% the requirements of the department.
%    \begin{macrocode}
\def\thesis@blocks@titlePage@content{%
  {\thesis@titlePage@Huge\bf\thesis@TeXtitle\\[0.3in]}%
  {\thesis@titlePage@large{\sc\thesis@@{typeName}}\\}}
\def\thesis@blocks@titlePage@footer{%
  {\thesis@titlePage@large
    {% Calculate the width of the thesis author and advisor boxes
     \let\@A\relax\newlength{\@A}\settowidth{\@A}{{%
       \bf\thesis@@{advisorTitle}:}}
     \let\@B\relax\newlength{\@B}\settowidth{\@B}{\thesis@advisor}
     \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
       \bf\thesis@@{authorTitle}:}}
     \let\@D\relax\newlength{\@D}\settowidth{\@D}{\thesis@author}
     \let\@E\relax\newlength{\@E}\settowidth{\@E}{{%
       \bf\thesis@@{fieldTitle}:}}
     \let\@F\relax\newlength{\@F}\settowidth{\@F}{\thesis@field}
    \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
      max(\@A,\@B)}
    \let\@right\relax\newlength{\@right}\pgfmathsetlength{\@right}{%
      max(\@C,\@D,\@E,\@F)}
    % Typeset the thesis author and advisor boxes
    \vskip 2in\begin{minipage}[t]{\@left}
      {\bf\thesis@@{advisorTitle}:}\\\thesis@advisor
```

```
    \end{minipage}\hfill\begin{minipage}[t]{\@right}
      {\bf\thesis@@{authorTitle}:}\\\thesis@author
        \\[1em]{\bf\thesis@@{fieldTitle}:}\\\thesis@field
    \end{minipage}}\\[4em]\thesis@place, \thesis@@{semester}}}
```

`\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.

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

`\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

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

```
\def\thesis@preamble{%
  \thesis@blocks@cover%
  \thesis@blocks@frontMatter%
    \thesis@blocks@titlePage%
    \onehalfspacing%
    \thesis@blocks@clearRight%
```

```
      \thesis@blocks@abstract%
      \thesis@blocks@abstractEn%
      \thesis@blocks@keywords%
      \thesis@blocks@keywordsEn%
    \thesis@blocks@bibEntry%
    \thesis@blocks@declaration%
    \thesis@blocks@thanks%
    \thesis@blocks@tables%
  \thesis@blocks@mainMatter}
```

3.6.11 The style files of the Faculty of Sports Studies

3.6.11.1 The `style/mu/fithesis-fss.sty` file

This is the style file for the theses written at the Faculty of Sports Studies at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty[9].

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-fss}[2015/06/23]
```

The file defines the color scheme of the respective faculty.

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

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

```
\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.

```
\def\thesis@preamble{%
  \thesis@blocks@cover%
  \thesis@blocks@titlePage%
  \thesis@blocks@frontMatter%
    \thesis@blocks@declaration%
    \thesis@blocks@thanks%
    \thesis@blocks@tables%
  \thesis@blocks@mainMatter}
```

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

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Change History

v0.0
General: bachelor project of Daniel Marek under supervision of Petr Sojka 175

v0.0a
General: changes by Jan Pavlovič to allow fithesis being backend of docbook based system for thesis writing 175

v0.1
General: new release, documentation editing (CZ only, sorry) [PS] 175

v0.1a
General: minor documentation changes (CZ only, sorry) [PS] . 175

v0.1b
General: change of default size (11pt→12pt) [JP] 175

v0.1c
General: default values of \facultyname and \@thesissubtitle set for backward compatibility) [PS] 175

v0.1d
General: removed def schapter from fit1*.clo [JP] 175

v0.1e
General: add Brno to MU title [JP] 175

v0.1f
General: add documentation for hyperref [JP] 175

v0.1g
General: change of default size (12pt→11pt) [JP] 175

v0.2.00
General: add sk lang [JP, Peter Cerensky] set default cls class to rapport3 [JP] 175

v0.2.01
General: add subsubsection to toc [JP] 175

v0.2.02
General: fix encoding bug [JP] . . . 175

v0.2.03
General: fix title spacing [PS, JP] . . 175

v0.2.04
General: fix SK declaration [Peter Cerensky, JP] 175

v0.2.05
General: add English abstract [JP] . 175

v0.2.06
General: fix : behind Advisor [JP] . 175

v0.2.07
General: escape all Czech letters [JP] babel is used instead of stupid package czech [JP]

\MainMatter should be placed after \tablesofcontents [PS] 175
v0.2.08
General: add change of University name [JP] 175
v0.2.09
General: add EN version of University name [JP] 175
v0.2.10
General: fix EN name of Acknowledgement [JP] 175
v0.2.11
General: fix missing fi-logo.mf [JP,PS] 175
v0.2.12
General: Licence change to the LPPL [JP] 175
v0.2.12a
General: fork fithesis2 by Mr. Filipčík and Janoušek; cf. http://github.com/liskin/fithesis 175
v0.3.00
General: fi logo is no longer special-cased (added eps and pdf), \thesislogopath added to set the logo directory path, \thesiscolor added to enable colorful typo elements [VN] . 175
v0.3.01
General: documentation now uses babel and cmap packages. the entire file was transcoded into utf8, \thesiscolor was replaced by color class option, added pdf metadata stamping support [VN] 175
v0.3.02
General: pdf metadata stamping added for \thesistitle and \thesisstudent [VN] 175
v0.3.03
General: Small fixes (added \relax at \MainMatter), generating both fithesis.cls (obsolete, loading fithesis2.cls) and fithesis2.cls, minor doc edits, version numbering of .clo fixed, switch to utf8 and ensuring that .dtx compiles. Documentation adjusted to the status quo, added link to discussion forum (backport of v0.2.14) [PS] 175
v0.3.04
General: Import the url package to allow for the use of \url within the documentation. (backport of v0.2.15@r13) [VN] 175
v0.3.05
General: Added support for change typesetting. Restructured the code to make it more amenable to literal programming. Added support for \CodelineIndex typesetting. Added information about the usage of fithesis1 and fithesis2 on the FI unix machines. (backport of v0.2.16) [VN]
Minor changes throughout the text, added a link to the the fithesis forums [PS] (backport of v0.2.15@r14:15) 175
v0.3.06
General: Added the colorx package and the base colors for each faculty. If the color option is specified, the tabular environment gets redefined and uses the faculty colors to color alternating table rows to improve readability. The hyperref links in the e-version are now likewise colored according to the chosen faculty, in this case regardless of the presence of the color option. Dropped the support for typesetting theses outside MU. [VN] 175
v0.3.07
General: Replaced the \thesiswoman command with \thesisgender. [VN] 175
v0.3.08
General: Fixed a non-terminated \if condition. [VN] (backport of v0.2.18)
Fixed mostly documentation errors reported at the new fithesis discussion forum (-ti, eco→econ, implicit twocolumn, example extended (font setup),

etc.). [PS] (backport of v0.2.17) 175
v0.3.09
General: A complete refactoring of the class. The class was decomposed into a base class, locale files and style files. [VN] 175
v0.3.10
General: Fixed a typo in the technical documentation. Updated the *Advanced usage* chapter of the user guide. The required packaged listed in Section 2.2 of the user guide are now always correct. Adjusted the footer spacing in the styles of econ and fi. Added *Advanced usage* chapter to the user guide. Added the description of basic options into the user guide. Added the `table` and `oldtable` options. Added the `type` field to the guide for completeness. [VN] 175
v0.3.11
General: Added hyphenation into the technical documentation. Fixed an unterminated group. Polished the text of the guide. Added the `palatino` and `nopalatino` options. Stylistic changes to the text of the technical documentation. `\thesis@subdir` is now robust against relative paths. Accounted for French spacing in the guide. Fixed the `thesis@english@facultyName` string. Documentation refinements. [VN] 175
v0.3.12
General: The subsections and subsubsections now use the correct `tocdepth`. [VN] 175
v0.3.13
General: Fixed an inconsistency in the example code. Removed an extraneous `\thesis@blocks@clear` block withing the definition of `\thesis@blocks@frontMatter` in the fss style file. Added comments, fixed clubs and widows and removed text overflows within the user guides. Adjusted the colors of various style files. Removed the trailing dot in the bibliographic identification within the med and ped style files. Fixed a typo within the technical documentation. Fixed the twoside alignment of the `\thesis@blocks@bibEntry` and the `\thesis@blocks@bibEntryEn` blocks within the sci style file. The `\thesis@blocks@assignment` block no longer clears a page when nothing is inserted. It is also no longer hardcoded to be hidden for rigorous theses. Instead, the `\ifthesis@blocks@assignment` conditional can be set either by the subsequently loaded style files or by the user. So far, only the fi and sci style files set the conditional. [VN] 175
v0.3.14
General: Updated the documentation. [VN] 175
v0.3.15
General: Renamed `\thesis@requireStyle` to `\thesis@requireWithOptions` and moved the style loader from the `\thesis@load` routine to a new `\thesis@requireStyle` macro to make the semantics of `\thesis@requireLocale` and `\thesis@requireStyle` more similar. Changed the `basepath`, `logopath`, `localepath` and `stylepath` keys to match the lower camelcasing of the rest of the keys. Added further description regarding the use of the `assignment` key. [VN] . . . 175
v0.3.16
General: Clubs and widows are now set to be infinitely bad. The `assignment` key has weaker, but more robust semantics now. [VN] 175

v0.3.17

General: Changed a forgotten `\thesis@@lower{...}` invocation in the definition of `\thesis@czech@declaration` for the Faculty of Arts into `\thesis@@lower{czech@...}`, so that the macro always expands to the correct output regardless of the current locale. This is merely a matter of consistency, since the style file of the Faculty of Arts only uses Czech strings within the Czech locale. Removed an extraneous comment. Fixed a unit test. Fixed a changelog entry. [VN] 175

v0.3.18

General: A bulk of changes required to submit the document class to CTAN: Changed the structure of the output `fithesis3.ctan.zip` archive. Updated the license notice. Added a `README` file. Canonicalized a url within the user guides. Renamed the root directory from `fithesis3/` to `fithesis/`. Refactored the makefiles. Added developer example files. Renamed `docstrip.cfg` to `LICENSE.tex` to better describe its role. The `fithesis.dtx` file now generates a `VERSION.tex` file containing the version of the package, when it's being typeset. Flattened the `logo/` directory structure. [VN] 175