More Titlepage Styles with Package uni-titlepage

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Abstract

Creation of title pages is something most authors should not have to do. But reality is not perfect, so a lot of authors have to do it. In 2009 KOMA started the title page project at https://komascript.de/titlepage to collect real title pages and implement them with a well defined interface. In 2021 the project has been moved to https://github.com/komascript/uni-titlepage and renamed.

Now, changing from one title page style to another would be very simple. Nevertheless implementation of a new title page style may be still difficult. But maybe the guys of the title page project would help you. Just ask!

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1 Loading the Package

You may load this package like all the other package, simply using:

```
\usepackage{uni-titlepage}
```

This package declares several options for title page manipulation. We will describe all those options in the following. Most of the options are package options as well, but some are style options only. You may use every package option already as optional argument of `\usepackage` and even of `\documentclass`. But in most cases it would be better to use them as optional argument of `\TitlePageStyle` or `\maketitle`. We show this way below.

2 The Title Page Styles and their Options

`TitlePageStyle` Several title page styles are supported. You may select a title page style using:

`\TitlePageStyle[`⟨*option*⟩`=`⟨*value*⟩`,...]{`⟨*style*⟩`}`.

The available styles are shown at the following sub-sections. Options may be every package option and every style option.

`maketitle` After loading a style you may generate title pages using:

`\maketitle[`⟨*option*⟩`=`⟨*value*⟩`,...]`.

Again, you may use every package option and every style option as optional argument.

`TitleOption` `TitleOptions` Another way to set an option is to use either

`\TitleOption{`⟨*option*⟩`}{`⟨*value*⟩`}`

or

`\TitleOptions{`⟨*option*⟩`=`⟨*value*⟩`,...}`.

You can set every package option an every option of already loaded title page styles.

For every main option, that expects a string argument exists a corresponding command with the same name. So you may set, e.g., the title either using `\TitleOptions{title={This is the Title}}` or `\TitleOption{title}{This is the Title}` or `\maketitle[title={This is the Title}]` or `\TitlePageStyle [title={This is the Title}]{...}` or `\title{This is the Title}`. The most robust way is to use the command `\title` instead of the option at one of the other commands. If you use the option you may need to add `\protect` in front of some commands inside the option value. But note: This is not valid for alias options like `student`, because alias options do not have a corresponding command!

String Option	*Styles*	*Common Meaning*
`advisor`	`TU-DD, UKoLa`	if your personal advisor differs from the advising professor, this is the name of the advisor
`author`	*every style*	the authors, with some styles (currently not with `DHBW` or `UKoLa`) you may seperate multiple authors by `\and`
`chair`	`TU-DD, KIT, WWUM, UKoLa`	the chair or institure of the faculty of the university where you've made or presented your work
`company`	`DHBW`	some works are made not only at a university but in cooperation with a company; at Duale Hochschule Baden-Württemberg this is the default case
`course`	`DHBW`	the shortcut for your discipline or course
`date`	`DHBW, KIT, KOMAScript, Markus-1, Markus-2, Spacer, TU-HH, TU-DD, JT-Typography, WWUM`	the documents main date, this may by, e. g., the release date, the semester of a thesis or any other most valid date
`dedication`	`KOMAScript, Markus-1, Markus-2, Spacer`	sometimes it is nice to dedicate the work to someone, e.g., your wife, your children, your grandmother or your first love
`academicgrade`	`DHBW, TU-HH, WUMM, UKoLa`	the academic grade or degree you reach with the work
`discipline`	`DHBW, TU-DD, WUMM`	the discipline in which you've made your work or reach your academic grade
`duration`	`DHBW`	the processing time for your work
`faculty`	`TU-DD, KIT, WUMM`	the faculty of the university where you've made or presented your work
`homepage`	`KIT`	the www-address of the homepage

...

String Option	*Styles*	*Common Meaning*
`mainlogo`	`DHBW, KIT, UKoLa`	a logo at the main title (currently used for the DHBW or the KIT logo at the default of `titlehead` and the main logo of style `UKoLa`)
`secondlogo`	`UKoLa`	a secondary logo
`matriculationnumber`	`DHBW, TU-DD`	if you were a student while you've made the work, this is you number
`oralexaminationdate`	`TU-HH, WUMM`	sometimes the date of the oral examination is not the main date but has to be shown too
`place`	`DHBW, TU-HH, JT-Geschichte, JT-Typography, WUMM, UKoLa`	the place, in general the city, where you've made the work or where the Duale Hochschule or the publisher resides
`professor`	`TU-DD, WUMM`	the name of the professor who advised you during your work
`publisher`	`KOMAScript, Markus-1, Markus-2, Spacer, JT-Aufsaetze, JT-Geschichte, JT-Typography`	most written works have a publisher
`referee`	`DHBW, TU-HH, UKoLa`	every academic work will be referred; with some styles (currently `TU-HH`, `WWUM`, `UKoLa`) multiple referees may be seperated with `\and`
`science`[1]	`WWUM`	kind of science, e. g., "Naturwissenschaften"
`student`	*see* ***`author`***	alias option to `author`
`subject`	*every style*	the kind of work, there are special predefined subjects; if you use one of `bachelor`, `academicgrade`, `diploma`, `master`, `project`, `seminar`, or `studentresearch` a language dependend replacement will be done; to avoid this, you may set the value in parentesis

...

String Option	*Styles*	*Common Meaning*
`subtitle`	`KOMAScript`, `Markus-1`, `Markus-2`, `Spacer`, `TU-HH`	the sub-title of the document
`title`	*every style*	the main title of the document
`titlehead`	`DHBW`, `KOMAScript`, `Markus-2`, `Spacer`, `KIT`	page head over the main title of the document
`university`	`DHBW`, `TU-DD`, `TU-HH`, `KIT`, `WWUM`	the university where you've made or presented your work

Note: Depending on the used style some elements are mandatory. You will get an error message like

```
Package uni-titlepage Error: empty title element ‘author’.
```

if such a mandatory element has not been set. In this case use either the option or the corresponding command to setup at least a dummy value, e.g.

```
\author{DON'T FORGET TO CHANGE THE AUTHOR}
```

before the corresponding `\maketitle`.

Let's have a look at the already defined title page styles. You should find an example LaTeX file for each of them at the documentation folder. If not, ask you distributor or administrator for those! But you may find the code of all examples in docstrip syntax even at subsection 4.4 starting at page 57. At the shown examples most variable contents have been made red.

[1] Due to a typing error, this option was named 'sience' until version 1.1a. If the obsolete option or the corresponding command is used, a warning is issued from version 1.2 onwards. The correct spelling documented here should be used instead.

2.1 Style DHBW

Josef Schmidbauer asked me for a title page usable for bachelor thesis at the "Duale Hochschulen Baden-Württemberg". This is a only one title page style.

The page (in example `titlepage-DHBW.tex`) is:

1. main title page with `titlehead`, `mainlogo`, `title`, `subject`, `academicgrade`, `discipline`, `place`, `author`, `duration`, `matriculationnumber`, `course`, `company`, `referee`, `university`, and `date`.

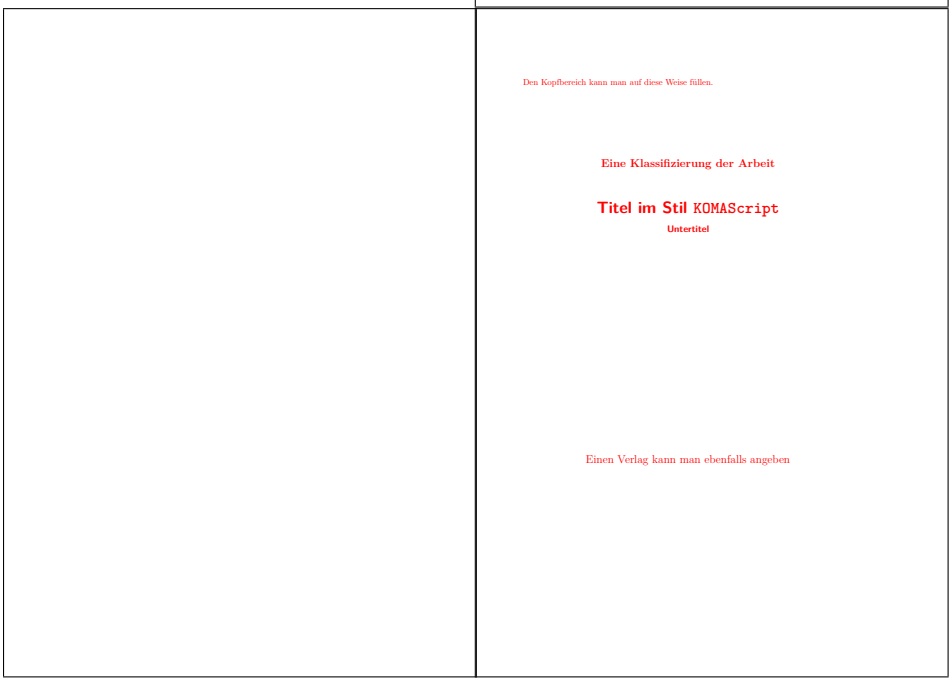
Note: The upper right corner is the logo placeholder. If you'd download the logo from the DHBW homepage http://www.dhbw.de and save it with the name `DHBW_d_MOS_195x95_rgb_300.jpg` it would be used automaticly. The logo file is also available from https://de.wikipedia.org/wiki/Datei:DHBW_d_MOS_195x95_rgb_300.jpg. This original logo has a large white border, so it would be much smaller than the red box at the example. The example file also contains comments for an optional company logo at the upper left corner.

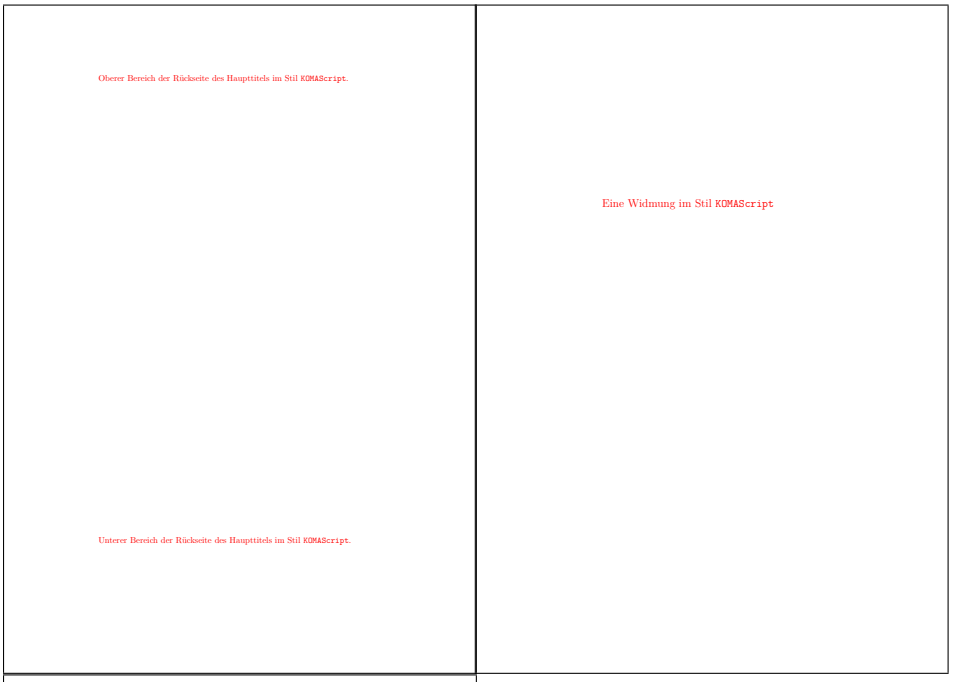
2.2 Style KOMAScript

This is a style similar to the title pages of KOMA-Script classes.

The pages (in twoside example `titlepage-KOMAScript.tex`) are:

1. defined by **extratitle**, which is not a package option but a style option. You may set it using **\TitleOption** or **\TitleOptions** after loading the style or with the optional argument of **\maketitle** or **\TitlePageStyle**.
2. empty and only in twoside mode with **extratitle** used.
3. main title page with **titlehead**, **subject**, **title**, **subtitle**, **author**, **date**, **plublisher**. You may use **\thanks** at any of these.





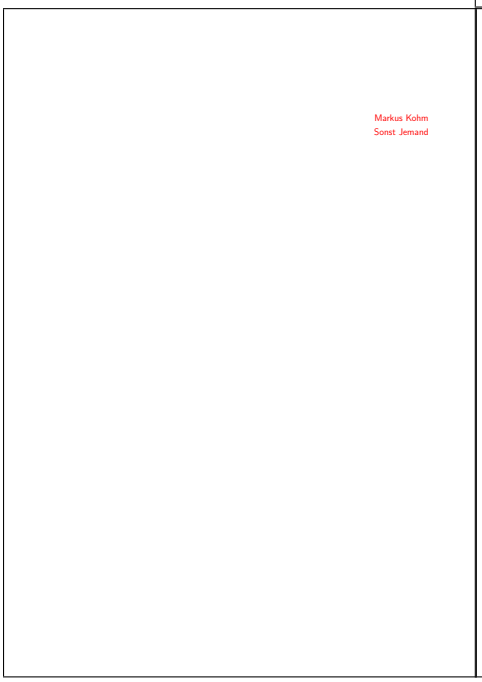
4. only in twoside mode defined by `uppertitleback` and `lowertitleback`, which are not package options but style options. You may set them using `\TitleOption` or `\TitleOptions` after loading the style or with the optional argument of `\maketitle` or `\TitlePageStyle`.
5. optional post title with `dedication`.
6. empty and only in twoside mode with `dedication` used.

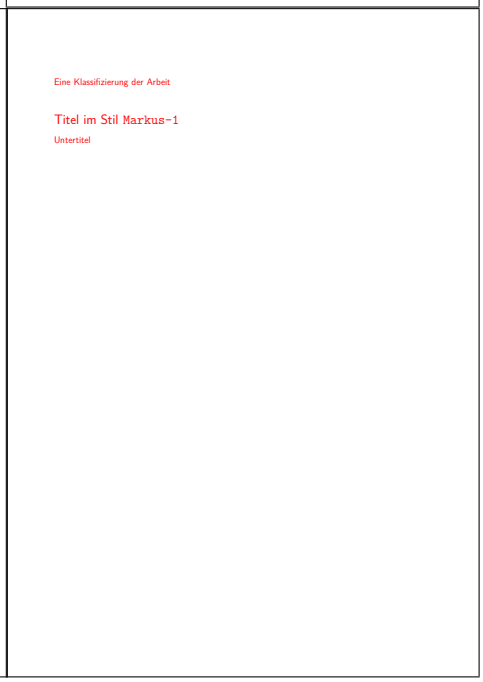
2.3 Style `Markus-1`

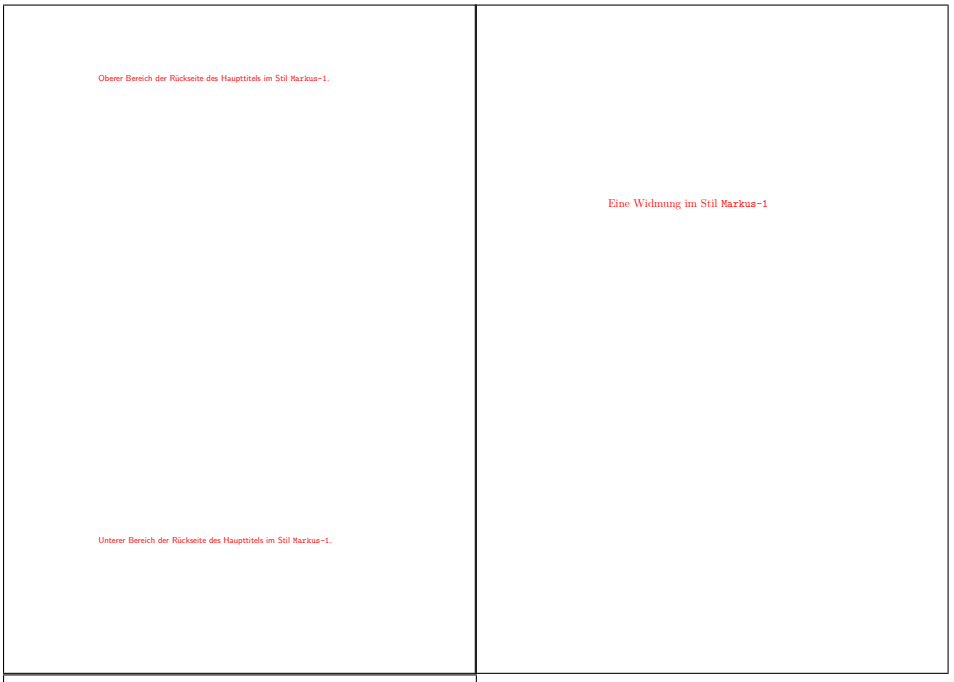
This is a style similar to the one of the title of the KOMA-Script book.

The pages (in twoside example `titlepage-Markus-1.tex`) are:

1. defined by `publisher`; may be omitted by `publisher={}`.
2. only in twoside mode with `publisher` defined by `author`.
3. main title page with `subject`, `title`, `subtitle`, and `date`.







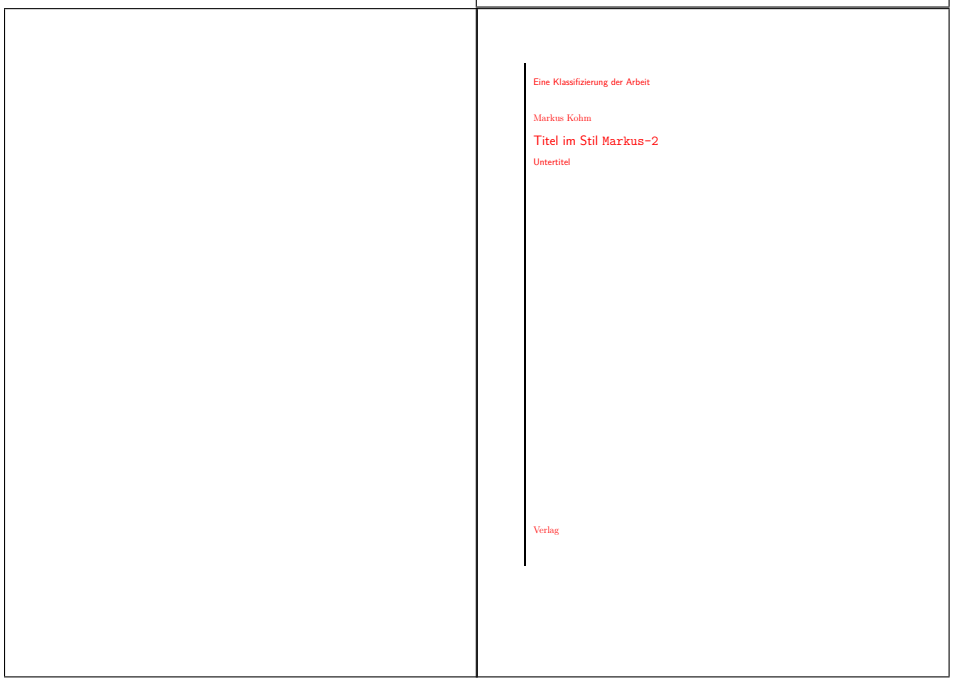
4. only in twoside mode defined by `uppertitleback` and `lowertitleback`, which are not package options but style options. You may set them using `\TitleOption` or `\TitleOptions` after loading the style or with the optional argument of `\maketitle` or `\TitlePageStyle`.
5. optional post title with `dedication`.
6. empty and only in twoside mode with `dedication` used.

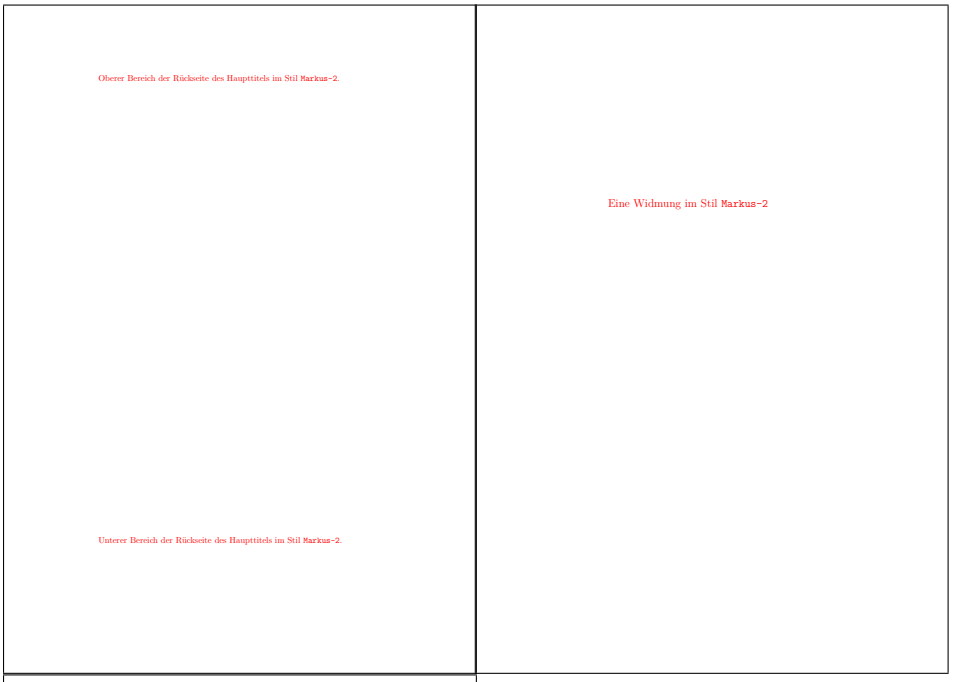
2.4 Style `Markus-2`

This style is not a real live style, but similar styles are often used:

The pages (in twoside example `titlepage-Markus-2.tex`) are:

1. defined by `extratitle`.
2. empty and only in twoside mode with `extratitle` used.
3. main title page with `titlehead` placed at the page head (if this is to high, it might be put outside the page; if it is to deep, it might overwrite parte of the title), `rulewidth`, `rulesep` and `rulecolor` for the vertical rule (these aren't package options but style options), `subject`, `title`, `subtitle`, `author`, `date`, and `plublisher`. Note: If you want to use option `rulecolor` you have to load a package, that defines `\color`, e.g., color or xcolor. Otherwise the color will be ignored.





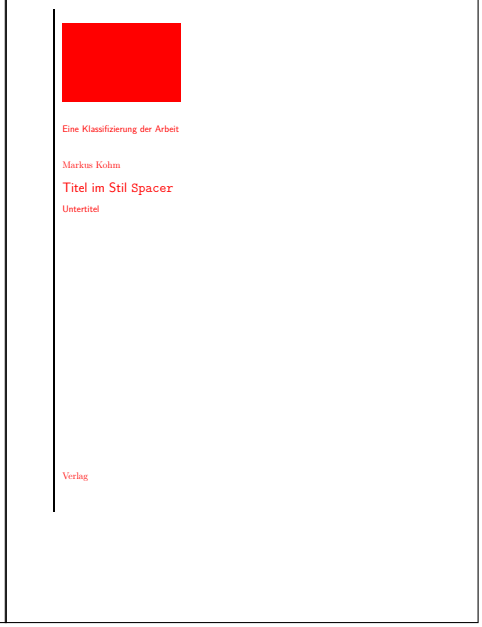
4. only in twoside mode defined by `uppertitleback` and `lowertitleback`, which are not package options but style options. You may set them using `\TitleOption` or `\TitleOptions` after loading the style or with the optional argument of `\maketitle` or `\TitlePageStyle`.
5. optional post title with `dedication`.
6. empty and only in twoside mode with `dedication` used.

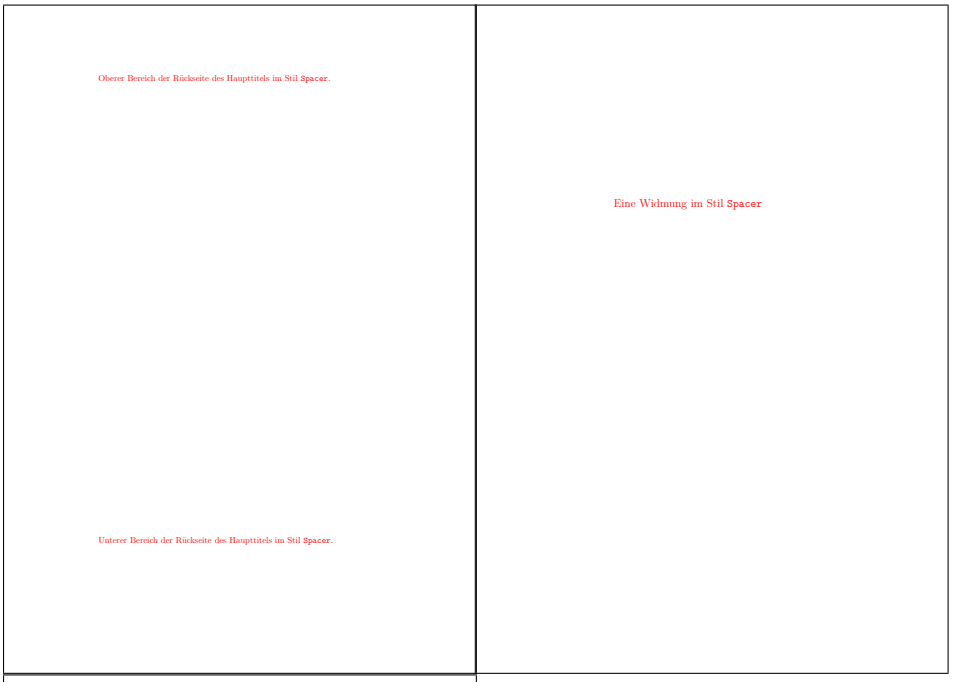
2.5 Style Spacer

This style is a variant of style Markus-2 from subsection 2.4. It was asked by spacer2012 at the original titlepage project on https://komascript.de/titlepage. In difference to Markus-2 the title head will not be placed at the page head but at the body.

The pages (in twoside example titlepage-Spacer.tex) are:

1. defined by extratitle.
2. empty and only in twoside mode with extratitle used.
3. main title page with titlehead placed at the page head, rulewidth, rulesep and rulecolor for the vertical rule (these aren't package options but style options), subject, title, subtitle, author, date, and plublisher. Note: If you want to use option rulecolor you have to load a package, that defines \color, e.g., color or xcolor. Otherwise the color will be ignored.





4. only in twoside mode defined by `uppertitleback` and `lowertitleback`, which are not package options but style options. You may set them using `\TitleOption` or `\TitleOptions` after loading the style or with the optional argument of `\maketitle` or `\TitlePageStyle`.
5. optional post title with `dedication`.
6. empty and only in twoside mode with `dedication` used.

2.6 Style TU-DD

This style is used at the "Technische Universität Dresden". I was asked fot this several years ago. Only one title page is defined!

The page (in example `titlepage-TU-DD.tex`) is:

1. main title page with `university`, `faculty`, `chair`, `professor`, `title`, `subject`, `author`, `discipline`, `matriculationnumber`, `advisor`, `place`, and `date`.

But there is another variant. If option `blackborder` was set to true, an black border is put around the page:

The page (in example `titlepage-TU-DD.tex` with option `blackborder`) is:

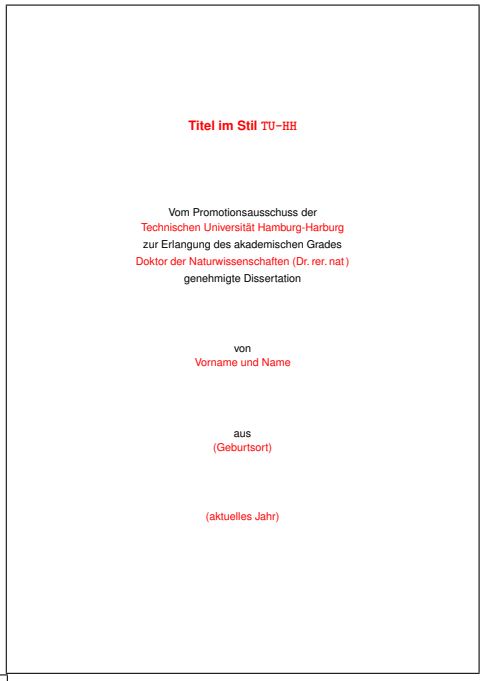
1. main title page with `university`, `faculty`, `chair`, `professor`, `title`, `subject`, `author`, `discipline`, `matriculationnumber`, `advisor`, `place`, and `date`.

2.7 Style TU-HH

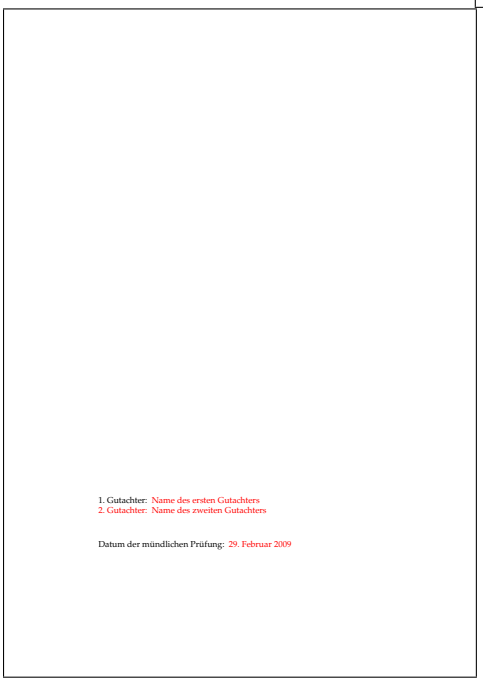
This style is used at the "Technische Universität Hamburg-Harburg". I was asked for this several years ago. Only two title pages are defined!

The pages (in twoside example `titlepage-TU-HH.tex`) are:

1. main title page with `title`, `subtitle`, `university`, `academicgrade`, `subject`, `author`, `place`, and `date`. Some additional text depending on the selected language will be used also.



2. only in twoside mode with `referee` and `oralexaminationdate`.



The output of style `TU-HH` differs, if you use option `final`, which is a style option, not a package option. You may set it using `\TitleOption` or `\TitleOptions` after loading the style or with the optional argument of `\maketitle` or `\TitlePageStyle`.

2.8 Style KIT

This style is used at the "KIT – University of the State of Baden-Württemberg and National Research Center of the Helmholtz Association". I've made this because of the ugly LaTeX class and template made by the KIT itself. Only one title page is defined!

The page (in example `titlepage-KIT.tex`) is:

1. main title page with `titlehead`, `mainlogo`, `title`, `subject`, `author`, `referee`. `advisor`, `university`, `duration`, and `homepage`. Some additional text depending on the selected language will be used also.

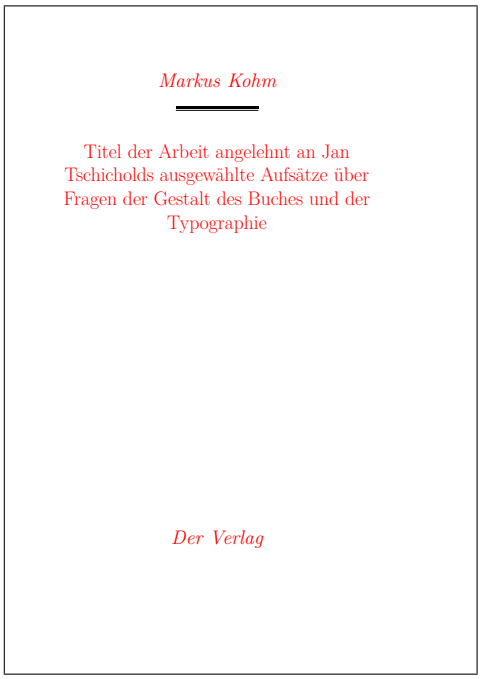
If `titlehead` is empty or unused left aligned `mainlogo` will be used. If `mainlogo` is empty or unused, and if you have a logo file `KITLogo_RGB.pdf`, this will be used. As an alternative also `2560px-Logo_KIT.svg.png`, `2000px-Logo_KIT.svg.png`, `1280px-Logo_KIT.svg.png`, `1024px-Logo_KIT.svg.png`, `1000px-Logo_KIT.svg.png`, `800px-Logo_KIT.svg.png`, `640px-Logo_KIT.svg.png`, or `500px-Logo_KIT.svg.png` from https://de.wikipedia.org/wiki/Datei:Logo_KIT.svg would be auto-detected. Several other elements will be set to defaults too, if they are empty. So you don't need to set all the elements, that has been set at the example file.

2.9 Style `JT-Aufsaetze`

The style is based on the front cover of "Jan Tschichold: Ausgewählte Aufsätze über Fragen der Gestalt des Buches und der Typographie, Birkhäuser Verlag Basel, 1975, ISBN: 3-7643-1946-1". I've made this, because the book is a major book of classic typography. It seems to be old fashioned and indeed it is. Note, that the front cover of a book an the main title of a book are not the same! Nevertheless, here I've made a main title from a front cover. Currently only one title page is defined, but you may also use `extratitle`, `uppertitleback`, and `lowertitleback`.

The page (in example `titlepage-JT-Aufsaetze.tex`) is:

1. main title page with `author`, `title`, `publisher`, `rulewidth`, `rulesep` for width of the horizontal rules and the distance between them and `rulecolor` for the color of the rules (these aren't package options but style options). Note: If you want to use option `rulecolor` you have to load a package, that defines `\color`, e.g., color or xcolor. Otherwise the color will be ignored.



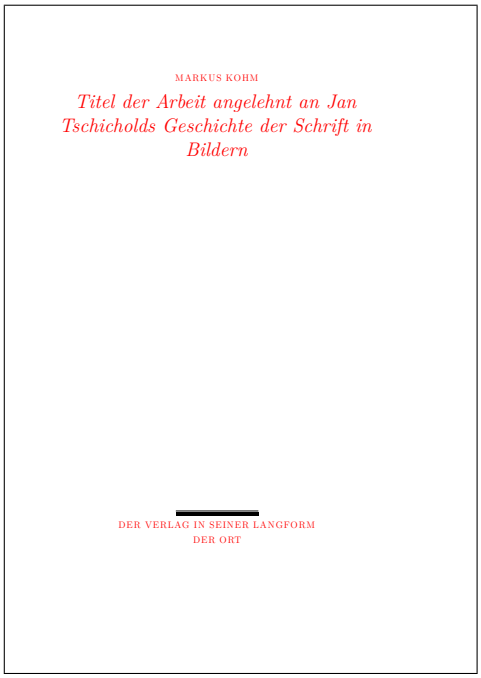
2.10 Style `JT-Geschichte`

The style is based on "Jan Tschichold: Geschichte der Schrift in Bildern; Holbein-Verlag, 1947". This is another major book of classic typography. I seems to be old fashioned and indeed it is. Currently only one title page is defined, but you may also use `extratitle`, `uppertitleback`, and `lowertitleback`.

The page (in example `titlepage-JT-Geschichte.tex`) is:

1. main title page with `author`, `title`, `publisher`, `place`, `rulewidth` and `rulesep` for width of the horizontal rules and the distance between them and `rulecolor` for the color of them (these aren't package options but style options). Note: If you want to use option `rulecolor` you have to load a package, that defines `\color`, e.g., color or xcolor. Otherwise the color will be ignored.

Note, that the default for `titlepagefont` prints everything but the `title` with ad-hoc letterspacing in upper-case letters if `\lsstyle` is available and without letterspacing but in small capitals otherwise. Changing the default of `titlepagefont` will also change this automatism.



2.11 Style `JT-Typography`

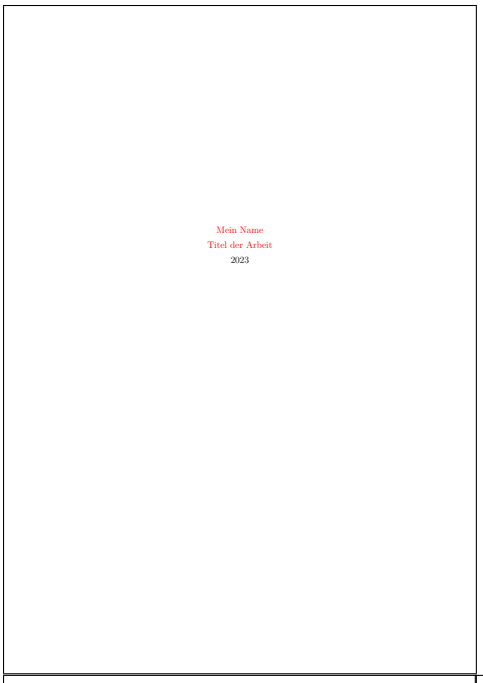
The style is based on "Jan Tschichold: The New Typography; University of California Press, Berkley and Los Angeles, California 1995". This is the English translation of another major book of classic typography. Some things like missing letterspacing at the upper-case title seems to be wrong. Currently only one title page is defined, but you may also use `extratitle`, `uppertitleback`, and `lowertitleback`.

The page (in example `titlepage-JT-Geschichte.tex`) is:

1. main title page with `author`, `title`, `subtitle`, `place`, `date`, `publisher`.

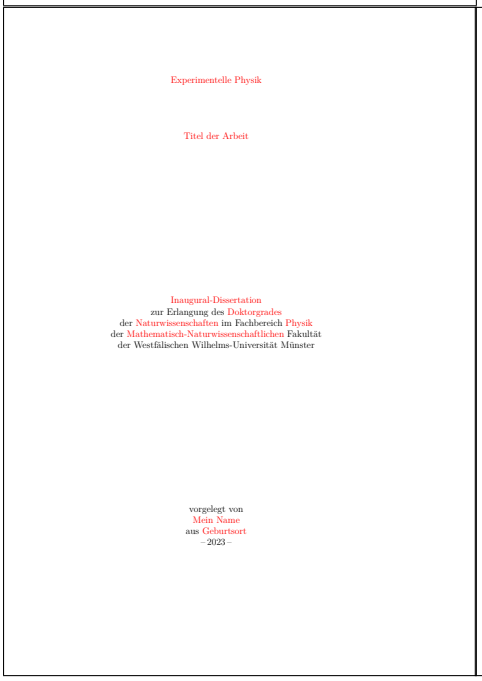
2.12 Style `WWUM`

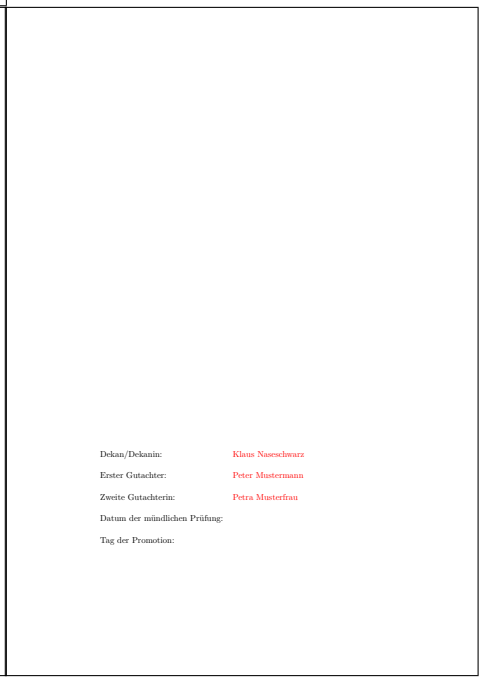
Tobias Südkamp asked me for that title for the Westfälischen Wilhelms-Universität Münster. The `professor` is more likely the `chairman`. Female referees should be prefixed by [f]. You can omit the examination date defining an empty `\examinationdatename`.



The pages (in example `tilepage-WWUM.tex`) are:

1. cover page with `author`, `title`, `\the\year`
2. the backside of the cover page is empty if it exists
3. main title page with `chair`, `title`, `subject`, `academicgrade`, `science`[1], `discipline`, `faculty`
4. main title back side with `professor`, `referee`, `oralexaminationdate` (normaly empty)





2.13 Style UKoLa

In 2007 several students asked me for the title of the Universität Koblenz-Landau. At that time, I've made a package for the title they asked for. The package has been published at https://komascript.de/unikoblenzlandau only. In 2021, after I've published uni-titlepage, it was time to implement this title also as a title style definition. Note, this is not an official style of the University Koblenz-Landau. Several referees can be separated by `\and`. Female referees should be prefixed by [f].

The page (in example `titlepage-UKoLa.tex`) is:

1. main title page with `mainlogo`, `secondlogo`, `title`, `subject`, `academicgrade`, `chair`, `dicipline`, `place`, `author`, `referee`, and `date`.

Note: The upper left corner is the logo placeholder. If you'd download the logo from http://www.uni-koblenz-landau.de/logo.png and save it with the name `uni-koblenz-landau.png`, it would be used automaticly.

3 Additonal Commands

`\NowButAfterBeginDocument` Command

`\NowButAfterBeginDocument{`⟨*code*⟩`}`

is something like `\AtBeginDocument`, but if you call it somewhere after `\begin{document}` argument ⟨*code*⟩ will be used immediately. This command is used inside some of the title page styles, because you may load them either at the preamle or even after `\begin{document}`, but some code should not be executed before `\begin{document}`.

`titlepage` (*env.*) In oposite to the `titlepage` environment of the standard classes,

`\begin{titlepage}[`⟨*options*⟩`]`
...
`\end{titlepage}`

knows some options. These are `pagestyle=`⟨*style*⟩ and `pagenumber=`⟨*number*⟩. The first one changes the page style of the generated title page to the given ⟨*style*⟩. If the option is not set, the default `empty` will be used. The second one sets the logical page number of the generated title page to the given ⟨*number*⟩ and sets the counter `pagenumber` to this value. If the option is not used, the value of counter `pagenumber` will be increased by one and the result is used for the logical page number.

`fullsizetitle` (*env.*) Using

`\begin{fullsizetitle}[`⟨*options*⟩`]`
...
`\end{fullsizetitle}`

is almost the same like above. But `fullsizetitle` removes the margins from the generated title page. Nevertheless if binding correction (aka binding offset) of package typearea or geometry could be recognized, it will not be removed. Some of the title page styles use this environment instead of `titlepage` inside `\maketitle`. With this the margins of the title page do not depend on the type area of the document.

`\usetitleelement` Command

`\usetitleelement{`⟨*element*⟩`}`

gives the content of the corresponding title ⟨*element*⟩. Each main ⟨*element*⟩ defined by the package may be used. Those are currently: `advisor`, `author`, `chair`, `company`, `course`, `date`, `dedication`, `academicgrade`, `discipline`, `duration`, `faculty`, `homepage`, `mainlogo`, `matriculationnumber`, `oralexaminationdate`, `place`, `professor`, `publisher`, `referee`, `subject`, `subtitle`, `title`, `titlehead`, and `university`. Note: `student` isn't a main ⟨*element*⟩, because it's only an alias for `author`.

`\usenonemptytitleelement` Command
added in v1.0

`\usenonemptytitleelement{`⟨*element*⟩`}`

is a variant of `\usetitleelement` that not only reports an error for a not existing ⟨*element*⟩ but also for an empty ⟨*element*⟩. It should be used to print mandatory elements.

4 Implementation

Note: To generate all files, developers and beta testers should simply use the source from https://github.com/komascript/uni-titlepage and call

```
l3build unpack
l3build doc
```

The resulting documentation will be placed in the main folder. The unpacked style file are in `build/unpacked`, You can use

```
l3build install
```

to install them in `TEXMFHOME`. See the manual of l3build for more information.

As an alternative you can use the source distribution from CTAN and run:

```
tex uni-titlepage.dtx
```

The documentation is usually part of the source distribution at CTAN. Note, that all the generated `tex` files are example files. Do not copy them to the run-time files but the documentation folder!

4.1 The Installation Driver ‘`uni-titlepage.ins`’

First of all we produce `uni-titlepage.ins`, the installation driver. It starts very common with loading docstrip, preamble declaration and start of generation.

```
\def\batchfile{uni-titlepage.dtx}
\input docstrip.tex
\ifToplevel{%
  \Msg{************************************************************************}
  \Msg{*}
  \Msg{* Steps of uni-titlepage generation:}
  \Msg{* ============================}
  \Msg{*}
  \Msg{* - Generation of all needed files:}
  \keepsilent
  \askforoverwritefalse
}

\preamble
Copyright (c) 2009-2022 by Markus Kohm <komascript(at)gmx.info>

This file was generated from file(s) of uni-titlepage distribution.

-----------------------------------------------------------------------

This work may be distributed and/or modified under the conditions of
the LaTeX Project Public License, version 1.3c of the license.
The latest version of this license is in
  http://www.latex-project.org/lppl.txt
and version 1.3c or later is part of all distributions of LaTeX
version 2005/12/01 or later.

This work has the LPPL maintenance status "maintained".

```

```
The Current Maintainer and author of this work is Markus Kohm.

This file may only be distributed together with
the file 'uni-titlepage.dtx'.
You may however distribute the file 'uni-titlepage.dtx' without this file.

\endpreamble

\generate{%
```

But while the dtx file is the ins file itself, we will never generate this file.

```
%  \file{uni-titlepage.ins}{\from{uni-titlepage.dtx}{ins}}% not needed
  \file{uni-titlepage.drv}{\from{uni-titlepage.dtx}{doc,manual}}%
  \file{uni-titlepage.sty}{\from{uni-titlepage.dtx}{package}}%
  \file{title-DHBW.def}{\from{uni-titlepage.dtx}{driver,DHBW}}%
  \file{title-KOMAScript.def}{\from{uni-titlepage.dtx}{driver,KOMAScript}}%
  \file{title-Markus-1.def}{\from{uni-titlepage.dtx}{driver,Markus,1}}%
  \file{title-Markus-2.def}{\from{uni-titlepage.dtx}{driver,Markus,2}}%
  \file{title-Spacer.def}{\from{uni-titlepage.dtx}{driver,Spacer}}%
  \file{title-TU-DD.def}{\from{uni-titlepage.dtx}{driver,TU-DD}}%
  \file{title-TU-HH.def}{\from{uni-titlepage.dtx}{driver,TU-HH}}%
  \file{title-KIT.def}{\from{uni-titlepage.dtx}{driver,KIT}}%
  \file{title-JT-Aufsaetze.def}{\from{uni-titlepage.dtx}{driver,JT-Aufsaetze}}%
  \file{title-JT-Geschichte.def}{\from{uni-titlepage.dtx}{driver,JT-Geschichte}}%
  \file{title-JT-Typography.def}{\from{uni-titlepage.dtx}{driver,JT-Typography}}%
  \file{title-WWUM.def}{\from{uni-titlepage.dtx}{driver,WWUM}}%
  \file{title-UKoLa.def}{\from{uni-titlepage.dtx}{driver,UKoLa}}%
  \file{titlepage-DHBW.tex}{\from{uni-titlepage.dtx}{doc,example,DHBW}}%
  \file{titlepage-KOMAScript.tex}{\from{uni-titlepage.dtx}{doc,example,KOMAScript}}%
  \file{titlepage-Markus-1.tex}{\from{uni-titlepage.dtx}{doc,example,Markus,1}}%
  \file{titlepage-Markus-2.tex}{\from{uni-titlepage.dtx}{doc,example,Markus,2}}%
  \file{titlepage-Spacer.tex}{\from{uni-titlepage.dtx}{doc,example,Spacer}}%
  \file{titlepage-TU-DD.tex}{\from{uni-titlepage.dtx}{doc,example,TU-DD}}%
  \file{titlepage-TU-HH.tex}{\from{uni-titlepage.dtx}{doc,example,TU-HH}}%
  \file{titlepage-KIT.tex}{\from{uni-titlepage.dtx}{doc,example,KIT}}%
  \file{titlepage-JT-Aufsaetze.tex}{\from{uni-titlepage.dtx}{doc,example,JT-Aufsaetze}}%
  \file{titlepage-JT-Geschichte.tex}{\from{uni-titlepage.dtx}{doc,example,JT-Geschichte}}%
  \file{titlepage-JT-Typography.tex}{\from{uni-titlepage.dtx}{doc,example,JT-Typography}}%
  \file{titlepage-WWUM.tex}{\from{uni-titlepage.dtx}{doc,example,WWUM}}%
  \file{titlepage-UKoLa.tex}{\from{uni-titlepage.dtx}{doc,example,UKoLa}}%
  \nopreamble\nopostamble
  \file{README.md}{\from{uni-titlepage.dtx}{README}}%
}%

\ifToplevel{%
  \Msg{* \space\space done.}
  \Msg{*}
  \Msg{* You may install all the files now.}
  \Msg{*}
  \Msg{*************************************************************************}
}
```

At docstrip run we like to finish the file know:

```
\csname endinput\endcsname
```

4.2 The Package scrbase

\TitleOptions
\TitleOption

We use the extended option handling of KOMA-Script, so we load package scrbase and declare a family, a member and a something like \KOMAoptions and \KOMAoption but for this package.

```
\RequirePackage{scrbase}[2014/12/03]
\DefineFamily{title}
\DefineFamilyMember{title}
\newcommand*{\TitleOptions}{\FamilyOptions{title}}
\newcommand*{\TitleOption}{\FamilyOption{title}}
```

pagenumber (*opt.*)

```
\newcounter{titlepage}\setcounter{titlepage}{\@ne}
\DefineFamilyKey{title}{pagenumber}{%
  \setcounter{titlepage}{#1}\FamilyKeyStateProcessed
}
```

\titlepagestyle
pagestyle (*opt.*)

```
\providecommand*{\titlepagestyle}{}
\renewcommand*{\titlepagestyle}{empty}
\DefineFamilyKey{title}{pagestyle}{%
  \renewcommand*{\titlepagestyle}{#1}\FamilyKeyStateProcessed
}
```

\if@resonecol

```
\ifcsname @restonecolfalse\endcsname
  \expandafter\@gobble
\else
  \expandafter\@firstofone
\fi
{\newif\if@restonecol}
```

titlepage (*env.*)

```
\scr@ifundefinedorrelax{titlepage}{\def\titlepage{}}{}
\scr@ifundefinedorrelax{endtitlepage}{\def\endtitlepage{}}{}
\providecommand*{\maketitle}[1][]{}
```

\inittitle
\makepretitle
\makepretitleback
\makemaintitle
\makemaintitleback
\makeposttitle
\makeposttitleback
\exittitle
\tp@undefinedtitle

Set of commands, that define a title style:

```
\newcommand*{\tp@undefinedtitle}[1]{%
  \PackageInfo{uni-titlepage}{leaving not defined #1-title page empty}%
}
\newcommand*{\inittitle}{}
\newcommand*{\makepretitle}{\tp@undefinedtitle{pre}}
\newcommand*{\makepretitleback}{\tp@undefinedtitle{back of pre}}
\newcommand*{\makemaintitle}{\tp@undefinedtitle{main}}
\newcommand*{\makemaintitleback}{\tp@undefinedtitle{back of main}}
\newcommand*{\makeposttitle}{\tp@undefinedtitle{post}}
\newcommand*{\makeposttitleback}{\tp@undefinedtitle{back of post}}
\newcommand*{\exittitle}{}
```

`\inittitlestyle` Will be called before loading a title style:

```
\newcommand*{\inittitlestyle}{%
  \renewenvironment{titlepage}[1][]{%
    \TitleOptions{##1}%
    \clearpage
    \if@twocolumn
      \@restonecoltrue\onecolumn
    \else
      \@restonecolfalse
    \fi
    \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
    \if@twoside% im einseitigen Satz ist mir alles egal
      \ifodd\value{page}% aktuelle Seite ist ungerade
```

Current page number is odd ...

```
        \ifodd\value{titlepage}%
        \else
```

... wanted page number is even: put in empty page.

```
          \null\newpage
        \fi
      \else
```

Current page number is even ...

```
        \ifodd\value{titlepage}%
```

... wanted page number is off: put in empty page.

```
          \null\newpage % Leerseite
        \fi
      \fi
    \fi
    \setcounter{page}{\value{titlepage}}%
    \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
  }{%
    \if@restonecol\twocolumn \else \newpage\fi
    \stepcounter{titlepage}%
  }%

  \renewcommand*{\maketitle}[1][]{%
    \begingroup
      \TitleOptions{##1}%
      \inittitle
      \makepretitle\if@twoside\makepretitleback\fi
      \makemaintitle\if@twoside\makemaintitleback\fi
      \makeposttitle\if@twoside\makeposttitleback\fi
      \exittitle
    \endgroup
  }%

  \renewcommand*{\inittitle}{}%
  \renewcommand*{\makepretitle}{\tp@undefinedtitle{pre}}%
  \renewcommand*{\makepretitleback}{\tp@undefinedtitle{back of pre}}%
  \renewcommand*{\makemaintitle}{\tp@undefinedtitle{main}}%
  \renewcommand*{\makemaintitleback}{\tp@undefinedtitle{back of main}}%
  \renewcommand*{\makeposttitle}{\tp@undefinedtitle{post}}%
```

```
  \renewcommand*{\makeposttitleback}{\tp@undefinedtitle{back of post}}%
  \renewcommand*{\exittitle}{}%
}
\inittitlestyle
```

`\titlebox` `\fullsizetitle` New environment for full page titles (with respect to BCOR or Gm@bindingoffset if defined)

```
\newsavebox\titlebox
\newenvironment{fullsizetitle}[1][]{%
  \TitleOptions{#1}%
  \begin{lrbox}{\titlebox}
    \hsize\paperwidth
    \scr@ifundefinedorrelax{ta@bcor}{%
      \scr@ifundefinedorrelax{Gm@bindingoffset}{}{%
        \advanve\hsize-\Gm@bindingoffset}%
    }{%
      \advance\hsize-\ta@bcor
      \scr@ifundefinedorrelax{Gm@bindingoffset}{}{%
        \ifdim \Gm@bindingoffset=\ta@bcor\else
          \PackageWarning{uni-titlepage}{Ignorring geometry's binding
            correction,\MessageBreak
            using typearea's binding correction.\MessageBreak
            If you're using geometry and typearea,\MessageBreak
            you should set both options to the same value,\MessageBreak
            e.g. \string\KOMAoptions{BCOR=\the\ta@bcor}\MessageBreak
            \space\space\space\space\space
            \string\geometry{bindingoffset=\the\ta@bcor}\MessageBreak
            to make uni-titlepage use this value%
          }%
        \fi
      }%
    }%
    \vsize\paperheight
    \linewidth\hsize
    \columnwidth\hsize
    \textwidth\hsize
    \textheight\vsize
    \noindent\minipage{\hsize}
}{%
    \endminipage
  \end{lrbox}
  \begin{titlepage}%
    \vspace*{-1in}\vskip-\topmargin\vskip-\headheight\vskip-\headsep
    \vskip-\topskip
    \raggedright
    \leavevmode
    \hskip-1in
    \ifodd\c@page
      \hskip-\oddsidemargin
      \scr@ifundefinedorrelax{ta@bcor}{%
        \scr@ifundefinedorrelax{Gm@bindingoffset}{}{%
          \hskip\Gm@bindingoffset}%
      }{\hskip\ta@bcor}%
    \else
```

```
      \hskip-\evensidemargin
    \fi
    \vbox to\z@{\hsize\z@
      \vskip-\baselineskip
      \makebox[0pt][l]{\usebox\titlebox}%
      \vss
    }%
  \end{titlepage}
}
```

\DefineSimpleTitleKey
\DefineReplaceTitleKey
\tp@replacewarning
\tp@dokeys

Define title page "variables":

```
\newcommand*{\tp@replacewarning}[2]{%
  \PackageWarning{uni-titlepage}{%
    Using `#2' instead of `#1',\MessageBreak
    because `#1' not defined%
  }%
}
\newcommand*{\tp@dokeys}{}
\newcommand*{\DefineSimpleTitleKey}[2][.\@currname.\@currext]{%
  \l@addto@macro\tp@dokeys{\do{#2}}%
  \expandafter\newcommand\expandafter*\csname @#2\endcsname{}%
  \expandafter\newcommand\expandafter*\csname #2\endcsname[1]{%
    \expandafter\gdef\csname @#2\endcsname{##1}}%
  \DefineFamilyKey[{#1}]{title}{#2}{%
    \csname #2\endcsname{##1}%
    \FamilyKeyStateProcessed
  }%
}
\newcommand*{\DefineReplaceTitleKey}[3][.\@currname.\@currext]{%
  \DefineFamilyKey[{#1}]{title}{#2}{%
    \tp@replacewarning{#2}{#3}%
    \FamilyOptions{title}{#3=##1}%
  }%
}
```

\titlehead
\@titlehead
titlehead (*opt.*)

```
\providecommand*{\@titlehead}{}
\providecommand{\titlehead}[1]{\gdef\@titlehead{#1}}
\DefineFamilyKey{title}{titlehead}{\titlehead{#1}\FamilyKeyStateProcessed}
```

\homepage
\@homepage
homepage (*opt.*)

```
\providecommand*{\@homepage}{}
\providecommand{\homepage}[1]{\gdef\@homepage{#1}}
\DefineFamilyKey{title}{homepage}{\homepage{#1}\FamilyKeyStateProcessed}
```

\title
\@title
title (*opt.*)

```
\let\@title\relax\let\title\relax\DefineSimpleTitleKey{title}
```

\author
\@author
author (*opt.*)

```
\let\@author\relax\let\author\relax\DefineSimpleTitleKey{author}
```

\date
\@date
date (*opt.*)

```
\let\@date\relax\let\date\relax\DefineSimpleTitleKey{date}
```

\duration
\@duration
duration (*opt.*)

```
\DefineSimpleTitleKey{duration}
```

\course
\@course
course (*opt.*)

```
\DefineSimpleTitleKey{course}
```

\company
\@company
company (*opt.*)

```
\DefineSimpleTitleKey{company}
```

\subtitle
\@subtitle
subtitle (*opt.*)

```
\let\@subtitle\relax\let\subtitle\relax\DefineSimpleTitleKey{subtitle}
```

\university
\@university
university (*opt.*)

```
\DefineSimpleTitleKey{university}
```

\faculty
\@faculty
faculty (*opt.*)

```
\DefineSimpleTitleKey{faculty}
```

\chair
\@chair
chair (*opt.*)

```
\DefineSimpleTitleKey{chair}
```

\professor
\@professor
professor (*opt.*)

```
\DefineSimpleTitleKey{professor}
```

\subject
\@subject
subject (*opt.*)

```
\providecommand*{\@subject}{}
\providecommand*{\subject}[1]{\gdef\@subject{#1}}
\l@addto@macro\tp@dokeys{\do{subject}}%
\DefineFamilyKey{title}{subject}{%
  \Ifstr{#1}{project}{\subject{\projectpapername}}{%
    \Ifstr{#1}{seminar}{\subject{\seminarpapername}}{%
      \Ifstr{#1}{studentresearch}{\subject{\studentresearchname}}{%
        \Ifstr{#1}{diploma}{\subject{\diplomathesisname}}{%
          \Ifstr{#1}{degree}{\subject{\degreethesisname}}{%
            \Ifstr{#1}{master}{\subject{\masterthesisname}}{%
              \Ifstr{#1}{bachelor}{\subject{\bachelorthesisname}}{%
                \subject{#1}%
              }%
            }%
          }%
        }%
      }%
    }%
  }%
  \FamilyKeyStateProcessed
}
```

\Ifstr For compatibility with old versions of scrbase the macro is provided based on \ifstr if it has not been defined by scrbase.

```
\providecommand*{\Ifstr}{\ifstr}
```

student (*opt.*)

```
\DefineReplaceTitleKey{student}{author}
```

\science
\@science
science (*opt.*)

```
\DefineSimpleTitleKey{science}
```

\sience
\@sience
sience (*opt.*)

```
\providecommand*{\sience}{%
  \PackageWarning{uni-titlepage}{%
    \string\sience\space internally replaced by \string\science.\MessageBreak
    Please note, that \string\sience\space was a typing mistake\MessageBreak
    and should not be used any longer.\MessageBreak
    You should replace it by \string\science
  }%
  \science
}
\providecommand*{\@sience}{%
  \PackageWarning{uni-titlepage}{%
    internal \string\@sience\space replaced by \string\@science.\MessageBreak
    Please note, that \string\@sience was a typing mistake\MessageBreak
    and should not be used any longer.\MessageBreak
    You should replace it by \srting\@science%
  }%
  \@science
}
\DefineFamilyKey{title}{sience}{%
  \PackageWarning{uni-titlepage}{%
    deprecated option ‘sience’ used.\MessageBreak
    Please note, that ‘sience’ was a typing mistake\MessageBreak
    and should not be used any longer.\MessageBreak
    You should replace it by ‘science’%
  }%
  \science{#1}%
  \FamilyKeyStateProcessed
}
```

\discipline
\@discipline
discipline (*opt.*)

```
\DefineSimpleTitleKey{discipline}
```

\academicgrade
\@academicgrade
academicgrade (*opt.*)

```
\DefineSimpleTitleKey{academicgrade}
```

\matriculationnumber
\@matriculationnumber
matriculationnumber (*opt.*)

```
\DefineSimpleTitleKey{matriculationnumber}
```

\advisor
\@advisor
advisor (*opt.*)

```
\DefineSimpleTitleKey{advisor}
```

\referee
\@referee
referee (*opt.*)

```
\DefineSimpleTitleKey{referee}
```

\place
\@place
place (*opt.*)

```
\DefineSimpleTitleKey{place}
```

\publisher
\@publisher
publisher (*opt.*)

```
\DefineSimpleTitleKey{publisher}
\renewcommand*{\@publisher}{\csname @publishers\endcsname}
```

\mainlogo
\@mainlogo
mainlogo (*opt.*)

```
\DefineSimpleTitleKey{mainlogo}
```

\secondlogo
\@secondlogo
secondlogo (*opt.*)

```
\DefineSimpleTitleKey{secondlogo}
```

\oralexaminationdate
\@oralexaminationdate
oralexaminationdate (*opt.*)

```
\DefineSimpleTitleKey{oralexaminationdate}
```

\dedication
\@dedication
dedication (*opt.*)

```
\providecommand*{\@dedication}{}
\providecommand{\dedication}[1]{\gdef\@dedication{#1}}
\DefineFamilyKey{title}{dedication}{\dedication{#1}\FamilyKeyStateProcessed}
```

\usetitleelement
\@usetitleelement@error

Users cannot simply use, e.g., `\@title`, `\@mainlogo` etc. So we need a command to get them:

```
\newcommand*{\usetitleelement}[1]{%
  \scr@ifundefinedorrelax{#1}{%
    \@usetitleelement@error{#1}%
  }{%
    \scr@ifundefinedorrelax{@#1}{%
      \@usetitleelement@error{#1}%
    }{%
      \@nameuse{@#1}%
    }%
  }%
}
\newcommand*{\@usetitleelement@error}[1]{%
  \PackageError{uni-titlepage}{‘#1’ isn’t a title element}{%
    You should use \string\usetitleelement\space for title elements
    only!\MessageBreak
    If you’ll continue, command will be ignored.}%
}
```

\usenonemptytitleelement Sometimes we want to use a title element that must not be empty.

```
\newcommand*{\usenonemptytitleelement}[1]{%
  \expandafter\ifx\csname @#1\endcsname\@empty
    \PackageError{uni-titlepage}{empty title element ‘#1’}{%
      Title element ‘#1’ is empty but mandatory for the used title page
      style.\MessageBreak
      So it must not be empty.\MessageBreak
      Please see the manual for more information about assigning
      values to\MessageBreak
      main title elements via options or commands.\MessageBreak
      If you’ll continue, a \string\strut\space will be used.}%
    \strut
  \else
    \usetitleelement{#1}%
  \fi
}
```

Some variables use their own configurable font:

titlepagefont (*opt.*)
\@titlepagefont

```
\scr@ifundefinedorrelax{newkomafont}{%
  \newcommand*{\@titlepagefont}{}%
}{%
  \newkomafont{titlepage}{}%
}
\DefineFamilyKey{title}{titlepagefont}{%
  \renewcommand*{\@titlepagefont}{#1}%
  \FamilyKeyStateProcessed
}
```

subjectfont (*opt.*)
\subject@font

```
\providecommand*{\subject@font}{\bfseries}
\DefineFamilyKey{title}{subjectfont}{%
  \renewcommand*{\subject@font}{#1}%
  \FamilyKeyStateProcessed
}
```

titlefont (*opt.*)
\title@font

```
\providecommand*{\titlefont}{\bfseries}
\DefineFamilyKey{title}{titlefont}{%
  \renewcommand*{\titlefont}{#1}%
  \FamilyKeyStateProcessed
}
```

subtitlefont (*opt.*)
\@subtitlefont

```
\providecommand*{\@subtitlefont}{\bfseries}
\DefineFamilyKey{title}{subtitlefont}{%
  \renewcommand*{\@subtitlefont}{#1}%
  \FamilyKeyStateProcessed
}
```

\TitlePageStyle Load a title page style from file

```
\newcommand*{\TitlePageStyle}[2][]{%
```

```
  \IfFileExists{title-#2.def}{%
    \begingroup
      \edef\@tempa{\endgroup
        \noexpand\inittitlestyle
        \noexpand\makeatletter
        \noexpand\input{title-#2.def}%
        \noexpand\catcode`\noexpand\@=\the\catcode`\@
      }%
    \@tempa
    \TitleOptions{#1}%
  }{%
    \PackageError{uni-titlepage}{No title definition for `#2' found}{%
      You've tried to set title page style `#2', but no title page
      style definition file\MessageBreak
      `title-#2.def' may be found%
    }%
  }
}
```

\NowButAfterBeginDocument Nice shortcut:

```
\newcommand*{\NowButAfterBeginDocument}{%
  \if@atdocument
    \expandafter\@firstofone
  \else
    \expandafter\AtBeginDocument
  \fi
}

\DeclareOption*{\expandafter\TitlePageStyle\expandafter{\CurrentOption}}
\FamilyProcessOptions*\relax
```

\chairmanname Language dependent terms:
\projectpapername
\seminarpapername
\studentreserchname
\diplomathesisname
\degreethesisname
\masterthesisname
\bachelorthesisname
\presentedbyname
\advisorname
\thename
\ofthename
\fromname
\fromplacename
\malerefereename
\femalerefereename
\ordinalmalerefereename
\ordinalfemalerefereename
\refereename
\oralexaminationdatename
\ordinal
\maleordinal
\femaleordinal
\indatename

```
\providecommand*{\chairmanname}{Chairman}
\providecommand*{\projectpapername}{Project Paper}
\providecommand*{\seminarpapername}{Seminar Paper}
\providecommand*{\studentresearchname}{Student Research Project}
\providecommand*{\diplomathesisname}{Diploma Thesis}
\providecommand*{\degreethesisname}{Degree Thesis}
\providecommand*{\masterthesisname}{Master Thesis}
\providecommand*{\bachelorthesisname}{Bachelor Thesis}
\providecommand*{\presentedbyname}{presented by}
\providecommand*{\advisorname}{Advisor}
\providecommand*{\thename}{}
\providecommand*{\ofthename}{of the}
\providecommand*{\fromname}{from}
\providecommand*{\fromplacename}{from}
\providecommand*{\refereename}{Referee}
\providecommand*{\femalerefereename}{\refereename}
\providecommand*{\malerefereename}{\refereename}
\providecommand*{\ordinalmalerefereename}{\englishordinalmalerefereename}
\providecommand*{\ordinalfemalerefereename}{\englishordinalfemalerefereename}
\providecommand*{\oralexaminationdatename}{Date of Oral Examination}
\providecommand*{\atthename}{at}
```

```
\providecommand*{\durationname}{Processing Time}
\providecommand*{\matriculationnumbername}{Matriculationnumber}
\providecommand*{\coursename}{Course}
\providecommand*{\companyname}{Training Company}
\providecommand*{\examinationname}{Examination}
\providecommand*{\examinationdatename}{Date of Examination}
\newcommand*{\ordinal}{\englishordinal}
\newcommand*{\femaleordinal}{\ordinal}
\newcommand*{\maleordinal}{\ordinal}
\providecommand*{\indatename}{in}
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\chairmanname}{Chairmain}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\projectpapername}{Project Paper}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\seminarpapername}{Seminar Paper}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\studentresearchname}{Student
  Research Project}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\diplomathesisname}{Diploma Thesis}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\degreethesisname}{Degree Thesis}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\masterthesisname}{Master Thesis}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\bachelorthesisname}{Bachelor
  Thesis}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\ordinal}{\englishordinal}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\presentedbyname}{presented by}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\advisorname}{Advisor}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\thename}{}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\ofthename}{of the}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\fromname}{from}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\fromplacename}{from}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\refereename}{Referee}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\ordinalmalerefereename}{%
  \englishordinalmalerefereename}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\ordinalfemalerefereename}{%
  \englishordinalfemalerefereename}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\oralexaminationdatename}{Date of
  Oral Examination}%
\providecaptionname{american,australian,british,canadian,%
```

```
  english,newzealand,UKenglish,USenglish}{\durationname}{Processing Time}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\matriculationnumbername}{Matriculationnumber}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\coursename}{Course}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\companyname}{Training Company}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\examinationname}{Examination}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\examinationdatename}{Date of
  Examination}%
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\indatename}{in}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\chairmanname}{Dekan/Dekanin}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\projectpapername}{Projektarbeit}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\seminarpapername}{Seminararbeit}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\studentresearchname}{Studienarbeit}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\diplomathesisname}{Diplomarbeit}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\degreethesisname}{Dissertation}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\masterthesisname}{Master-Arbeit}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\bachelorthesisname}{Bachelor-Arbeit}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\ordinal}{\germanordinal}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\femaleordinal}{\germanfemaleordinal}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\maleordinal}{\germanmaleordinal}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\presentedbyname}{eingereicht von}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\advisorname}{Betreuer}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\thename}{den}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\ofthename}{der}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\fromname}{von}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\fromplacename}{aus}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\refereename}{Gutachter}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\ordinalmalerefereename}{%
  \germanordinalmalerefereename}%
\providecaptionname{german,ngerman,austrian,naustrian,%
```

```
  swissgerman,nswissgerman}{\ordinalfemalerefereename}{%
  \germanordinalfemalerefereename}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\femalerefereename}{Gutachterin}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\oralexaminationdatename}{Datum der m\"undlichen
  Pr\"ufung}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\durationname}{Bearbeitungszeitraum}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\matriculationnumbername}{Matrikelnummer}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\coursename}{Kurs}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\companyname}{Ausbildungsfirma}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\examinationname}{Pr\"ufung}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\examinationdatename}{Tag der Pr\"ufung}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\indatename}{im}%
```

\englishordinalmalerefereename

```
\newcommand*{\englishordinalmalerefereename}[1]{%
  \englishordinal{#1} \refereename%
}
```

nglishordinalfemalerefereename

```
\newcommand*{\englishordinalfemalerefereename}[1]{%
  \englishordinalmalereferename{#1}%
}
```

\germanordinalmalerefereename

```
\newcommand*{\germanordinalmalerefereename}[1]{%
  \ifnum #1<\@ne
    \PackageError{uni-titlepage}{Ordinal of ‘#1’ not defined}{%
      This package does only define German ordinal names for referees from 1}%
  \else
    \ifcase #1\or Erstgutachter\or Zweitgutachter\or Drittgutachter%
    \or Viertgutachter\else
      \PackageError{uni-titlepage}{Ordinal of ‘#1’ not defined}{%
        This package does only define German ordinal names for referees up
        to 4}%
    \fi
  \fi
}
```

germanordinalfemalerefereename

```
\newcommand*{\germanordinalfemalerefereename}[1]{%
  \germanordinalfemalerefereename{#1}in%
}
```

germanordinalmalecorrectorname

```
\newcommand*{\germanordinalmalecorrectorname}[1]{%
  \ifnum #1<\@ne
    \PackageError{uni-titlepage}{Ordinal of ‘#1’ not defined}{%
      This package does only define German ordinal names for correctors from 1}%
  \else
    \ifcase #1\or Erstkorrektor\or Zweitkorrektor\or Drittkorrektor%
    \or Viertkorrektor\else
      \PackageError{uni-titlepage}{Ordinal of ‘#1’ not defined}{%
        This package does only define German ordinal names for correctors up
        to 6}%
    \fi
  \fi
}
```

rmanordinalfemalecorrectorname

```
\newcommand*{\germanordinalfemalecorrectorname}[1]{%
  \germanordinalmalecorrectorname{#1}in%
}
```

\englishordinal

```
\newcommand*{\englishordinal}[1]{%
  \ifcsname engordnumber\endcsname
    \engordnumber{#1}%
  \else
    \ifnum #1<\@ne
      \PackageError{uni-titlepage}{Ordinal of ‘#1’ not defined}{%
        This package does only define English ordinals from 1}%
    \else
      \ifcase #1\or 1st\or 2nd\or 3rd\or 4th\or 5th\or 6th\or 7th\or 8th\or
        9th\or 10th\else
        \PackageError{uni-titlepage}{Ordinal of ‘#1’ not defined}{%
          This package does only define English ordinals from 1 to
          10.\MessageBreak
          You may load package ‘engord’ to improve support of english
          ordinals}%
      \fi
    \fi
  \fi
}
```

\germanordinal
\germanmaleordinal
\germanfemaleordinal

```
\newcommand*{\germanordinal}[1]{%
  \ifnum #1<\@ne
    \PackageError{uni-titlepage}{Ordinal of ‘#1’ not defined}{%
      This package does only define german ordinals from 1}%
  \else
    #1.%
  \fi
}
\newcommand*{\germanmaleordinal}[1]{%
```

```
  \ifcase #1
    \PackageError{uni-titlepage}{Male ordinal of ‘#1’ not defined}{%
      This package does only define german male ordinals from 1}%
  \or Erster\or Zweiter\or Dritter\or Vierter\or F\"unfter\or Sechster%
  \or Siebter\or Achter\or Neunter\or Zehnter\else
    \PackageError{uni-titlepage}{Male ordinal of ‘#1’ not defined}{%
      This package does only define german male ordinals up to 10}%
  \fi
}
\newcommand*{\germanfemaleordinal}[1]{%
  \ifcase #1
    \PackageError{uni-titlepage}{Female ordinal of ‘#1’ not defined}{%
      This package does only define german female ordinals from 1}%
  \or Erste\or Zweite\or Dritte\or Vierte\or F\"unfte\or Sechste%
  \or Siebte\or Achte\or Neunte\or Zehnte\else
    \PackageError{uni-titlepage}{Female ordinal of ‘#1’ not defined}{%
      This package does only define german female ordinals up to 10}%
  \fi
}
```

4.3 The titlepage Drivers

```
\begingroup
  \def\PackageNotLoadedError#1{%
    \GenericError{%
      (#1)\@spaces\@spaces\@spaces\@spaces
    }{%
      File ‘#1’ Error: package ‘uni-titlepage’ hasn’t been loaded%
    }{%
      This definition file was made to be loaded by package
      ‘uni-titlepage’.\MessageBreak
      You may not use it without package ‘uni-titlepage’!\MessageBreak
      See the documentation of package ‘uni-titlepage’ for explanation.%
    }%
  }%
  \ifx\csname uni-titlepage.sty@vers\endcsname\relax
    \PackageNotLoadedError{%
⟨DHBW⟩       title-DHBW.def%
⟨KOMAScript⟩      title-KOMAScript.def%
⟨TU-DD⟩       title-TU-DD.def%
⟨TU-HH⟩       title-TU-HH.def%
⟨Markus & 1⟩      title-Markus-1.def%
⟨Markus & 2⟩      title-Markus-2.def%
⟨Spacer⟩       title-Spacer.def%
⟨KIT⟩       title-KIT.def%
⟨JT-Aufsaetze⟩       title-JT-Aufsaetze.def%
⟨JT-Geschichte⟩       title-JT-Geschichte.def%
⟨JT-Typography⟩       title-JT-Typography.def%
⟨WWUM⟩       title-WWUM.def%
⟨UKoLA⟩       title-UKoLa.def%
    }%
  \fi
\endgroup
```

Each style corresponds with an own member. Nevertheless most styles will not

have options in their own, because string options should be global to make change of style very easy.

```
\DefineFamilyMember[%
⟨DHBW⟩  DHBW%
⟨KOMAScript⟩  KOMAScript%
⟨TU-DD⟩  TU-DD%
⟨TU-HH⟩  TU-HH%
⟨Markus & 1⟩  Markus-1%
⟨Markus & 2⟩  Markus-2%
⟨Spacer⟩  Spacer%
⟨KIT⟩  KIT%
⟨JT-Aufsaetze⟩  JT-Aufsaetze%
⟨JT-Geschichte⟩  JT-Geschichte%
⟨JT-Typography⟩  JT-Typography%
⟨WWUM⟩  WWUM%
⟨UKoLa⟩  UKoLa%
]{title}
```

Nevertheless some styles have their own switches:

`blackborder` (*opt.*) *Trauerrand* at style `TU-DD`:

```
⟨TU-DD⟩\FamilyBoolKey[TU-DD]{title}{blackborder}{blackborder}
```

`final` (*opt.*) Style `TU-HH` distinguishes between drafts and final thesis.

```
⟨TU-HH⟩\FamilyBoolKey[TU-HH]{title}{final}{final}
```

`rulewidth` (*opt.*) Some styles have some variable rules at the title:

`\title@rulewidth`

`rulesep` (*opt.*)

`\title@rulesep`

`rulecolor` (*opt.*)

`\title@rulecolor`

```
⟨*Spacer | JT-Aufsaetze | JT-Geschichte | Markus & 2⟩
\providecommand*{\title@rulewidth}{%
⟨Spacer | Markus & 2⟩  0pt%
⟨JT-Aufsaetze | JT-Geschichte⟩  .25\textwidth
}
\providecommand*{\title@rulesep}{%
⟨Spacer | Markus & 2⟩  \ifdim \title@rulewidth>\z@ 10pt\else \z@\fi
⟨JT-Aufsaetze | JT-Geschichte⟩  1.5pt%
}
\providecommand*{\title@rulecolor}{}
\DefineFamilyKey[%
⟨Markus & 2⟩  Markus-2%
⟨JT-Aufsaetze⟩  JT-Aufsaetze%
⟨JT-Geschichte⟩  JT-Geschichte%
⟨Spacer⟩  Spacer%
]{title}{rulewidth}{%
  \gdef\title@rulewidth{\dimexpr #1\relax}%
  \FamilyKeyStateProcessed
}
\DefineFamilyKey[%
⟨Markus & 2⟩  Markus-2%
⟨JT-Aufsaetze⟩  JT-Aufsaetze%
⟨JT-Geschichte⟩  JT-Geschichte%
⟨Spacer⟩  Spacer%
]{title}{rulesep}{%
  \gdef\title@rulesep{\dimexpr #1\relax}%
  \FamilyKeyStateProcessed
}
```

```
\FamilyStringKey[%
⟨Markus & 2⟩   Markus-2%
⟨JT-Aufsaetze⟩   JT-Aufsaetze%
⟨JT-Geschichte⟩   JT-Geschichte%
⟨Spacer⟩   Spacer%
]{title}{rulecolor}{\title@rulecolor}
⟨/Spacer | JT-Aufsaetze | JT-Geschichte | Markus & 2⟩
```

An some has their own terms:

\presentationinformationUKoLA
\presentationinformationWWUM
\presentationinformationTUHH
\presentationinformationDHBW
\presentationinformationKIT

```
% \changes{v1.0}{2022/03/22}{using \cs{usenonemptytitleelement}}
⟨*UKoLa⟩
\providecommand*{\presentationinformationUKoLa}{%
  to optain the degree\\
  \usenonemptytitleelement{academicgrade}\\
  of  \usenonemptytitleelement{discipline}\\
}
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\presentationinformationUKoLa}{%
  to optain the degree\\
  \usenonemptytitleelement{academicgrade}\\
  of  \usenonemptytitleelement{discipline}\\
}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\presentationinformationUKoLa}{%
  zur Erlangung des Grades eines\\
  \usenonemptytitleelement{academicgrade}\\
  im Studiengang \usenonemptytitleelement{discipline}\\
}%
⟨/UKoLa⟩
⟨*DHBW⟩
\providecommand*{\presentationinformationDHBW}{%
  for the \examinationname{} of\\[.5\baselineskip]
  \usenonemptytitleelement{academicgrade}\\[0pt plus 1fill]
  of  \usenonemptytitleelement{discipline}\\[.5\baselineskip]
  at the \usenonemptytitleelement{university}\ifx\@place\@empty\else\space\@place\fi
}
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\presentationinformationDHBW}{%
  for the \examinationname\\[.5\baselineskip]
  \usenonemptytitleelement{academicgrade}\\[0pt plus 1fill]
  of degree course \usenonemptytitleelement{discipline}\\[.5\baselineskip]
  at the \usenonemptytitleelement{university}\ifx\@place\@empty\else\space\@place\fi
}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\presentationinformationDHBW}{%
  f\"ur die \examinationname{} zum\\[.5\baselineskip]
  \usenonemptytitleelement{academicgrade}\\[0pt plus 1fill]
  des Studienganges \usenonemptytitleelement{discipline}\\[.5\baselineskip]
  an der \usenonemptytitleelement{university}\ifx\@place\@empty\else\space\@place\fi
}%
⟨/DHBW⟩
⟨*TU-HH⟩
```

```
\providecommand*{\presentationinformationTUHH}{%
  \iffinal Of the \else The \fi Graduation Committee of the\\
  \usenonemptytitleelement{university}\\[.5ex]
  to the Acquisition of the Academic Degree\\[.5ex]
  \usenonemptytitleelement{academicgrade}\\[.5ex]
  \iffinal approved \else submitted \fi\@subject}
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\presentationinformationTUHH}{%
  \iffinal Of the \else The \fi Graduation Committee of the\\
  \usenonemptytitleelement{university}\\[.5ex]
  to the Acquisition of the Academic Degree\\[.5ex]
  \usenonemptytitleelement{academicgrade}\\[.5ex]
  \iffinal approved \else submitted \fi\@subject}
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\presentationinformationTUHH}{%
  \iffinal Vom \else Dem \fi Promotionsausschuss der\\
  \usenonemptytitleelement{university}\\[.5ex]
  zur Erlangung des akademischen Grades\\[.5ex]
  \usenonemptytitleelement{academicgrade}\\[.5ex]
  \iffinal genehmigte \else vorgelegte \fi\@subject}%
⟨/TU-HH⟩
⟨*KIT⟩
\providecommand*{\presentationinformationKIT}{%
  At the \usenonemptytitleelement{faculty}\\
  \strut\ignorespaces\@chair\\
}
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\presentationinformationKIT}{%
  At the \usenonemptytitleelement{faculty}\\
  \strut\ignorespaces\@chair\\
}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\presentationinformationKIT}{%
  An der \usenonemptytitleelement{faculty}\\
  \strut\ignorespaces\@chair\\
}%
⟨/KIT⟩
⟨*WWUM⟩
\providecommand*{\presentationinformationWWUM}{%
  \usenonemptytitleelement{subject}\\
  to the Aquisition of the Academic Degree\\
  \usenonemptytitleelement{academicgrade}\\
  of the \usenonemptytitleelement{science} of \usenonemptytitleelement{discipline}\\
  of the \usenonemptytitleelement{faculty} faculty\\
  of the \usenonemptytitleelement{university}%
}
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\presentationinformationWWUM}{%
  \usenonemptytitleelement{subject}\\
  to the Aquisition of the Academic Degree\\
  \usenonemptytitleelement{academicgrade}\\
  of the \usenonemptytitleelement{science} of \usenonemptytitleelement{discipline}\\
  of the \usenonemptytitleelement{faculty} faculty\\
  of the \usenonemptytitleelement{university}%
```

```
}
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\presentationinformationWWUM}{%
  \usenonemptytitleelement{subject}\\
  zur Erlangung des \usenonemptytitleelement{academicgrade}\\
  der \usenonemptytitleelement{science} im Fachbereich
  \usenonemptytitleelement{discipline}\\
  der \usenonemptytitleelement{faculty} Fakult\"at\\
  der \usenonemptytitleelement{university}%
}
⟨/WWUM⟩
```

\KITlongname
\fromname
\refereename
\KITurl

```
⟨*KIT⟩
\providecaptionname{american,australian,british,canadian,%
  english,newzealand,UKenglish,USenglish}{\KITlongname}{%
  University of the State of Baden-W\"urttemberg and National Research Center
  of the Helmholtz Association%
}%
\providecaptionname{german,ngerman,austrian,naustrian,%
  swissgerman,nswissgerman}{\KITlongname}{%
  Universit\"at des Landes Baden-W\"urttemberg und nationales
  Forschungszentrum in der Helmholtz-Gemeinschaft
}%
\scr@ifundefinedorrelax{captionsamerican}{}{%
  \renewcaptionname{american}{\fromname}{of}%
  \renewcaptionname{american}{\refereename}{Reviewer}%
}%
\scr@ifundefinedorrelax{captionsaustralian}{}{%
  \renewcaptionname{australian}{\fromname}{of}%
  \renewcaptionname{australian}{\refereename}{Reviewer}%
}%
\scr@ifundefinedorrelax{captionsbritish}{}{%
  \renewcaptionname{british}{\fromname}{of}%
  \renewcaptionname{british}{\refereename}{Reviewer}%
}%
\scr@ifundefinedorrelax{captionscanadian}{}{%
  \renewcaptionname{canadian}{\fromname}{of}%
  \renewcaptionname{canadian}{\refereename}{Reviewer}%
}%
\scr@ifundefinedorrelax{captionsenglish}{}{%
  \renewcaptionname{english}{\fromname}{of}%
  \renewcaptionname{english}{\refereename}{Reviewer}%
}%
\scr@ifundefinedorrelax{captionsnewzealand}{}{%
  \renewcaptionname{newzealand}{\fromname}{of}%
  \renewcaptionname{newzealand}{\refereename}{Reviewer}%
}%
\scr@ifundefinedorrelax{captionsUKenglish}{}{%
  \renewcaptionname{UKenglish}{\fromname}{of}%
  \renewcaptionname{UKenglish}{\refereename}{Reviewer}%
}%
\scr@ifundefinedorrelax{captionsUSenglish}{}{%
  \renewcaptionname{USenglish}{\fromname}{of}%
```

```
  \renewcaptionname{USenglish}{\refereename}{Reviewer}%
}%
\newcommand*{\KITurl}{www.kit.edu}
⟨/KIT⟩
```

\presentedbyname
\ordinalmalerefereename
\ordinalfemalerefereename

```
⟨*WWUM | UKoLa⟩
\NowButAfterBeginDocument
{%
  \providecaptionname{german,ngerman,austrian,naustrian,
    swissgerman,nswissgerman}{\presentedbyname}{vorgelegt von}%
  \scr@ifundefinedorrelax{captionsgerman}{}{%
    \renewcaptionname{german}{\presentedbyname}{vorgelegt von}%
    \renewcaptionname{german}{\ordinalfemalerefereename}{%
      \ordinalfemalecorrectorname}%
  }%
  \scr@ifundefinedorrelax{captionsngerman}{}{%
    \renewcaptionname{ngerman}{\presentedbyname}{vorgelegt von}%
    \renewcaptionname{ngerman}{\ordinalmalerefereename}{%
      \germanordinalmalecorrectorname}%
    \renewcaptionname{ngerman}{\ordinalfemalerefereename}{%
      \germanordinalfemalecorrectorname}%
  }%
  \scr@ifundefinedorrelax{captionsaustrian}{}{%
    \renewcaptionname{austrian}{\presentedbyname}{vorgelegt von}%
    \renewcaptionname{austrian}{\ordinalmalerefereename}{%
      \germanordinalmalecorrectorname}%
    \renewcaptionname{austrian}{\ordinalfemalerefereename}{%
      \germanordinalfemalecorrectorname}%
  }%
  \scr@ifundefinedorrelax{captionsnaustrian}{}{%
    \renewcaptionname{naustrian}{\presentedbyname}{vorgelegt von}%
    \renewcaptionname{naustrian}{\ordinalmalerefereename}{%
      \germanordinalmalecorrectorname}%
    \renewcaptionname{naustrian}{\ordinalfemalerefereename}{%
      \germanordinalfemalecorrectorname}%
  }%
  \scr@ifundefinedorrelax{captionsswissgerman}{}{%
    \renewcaptionname{swissgerman}{\presentedbyname}{vorgelegt von}%
    \renewcaptionname{swissgerman}{\ordinalmalerefereename}{%
      \germanordinalmalecorrectorname}%
    \renewcaptionname{swissgerman}{\ordinalfemalerefereename}{%
      \germanordinalfemalecorrectorname}%
  }%
  \scr@ifundefinedorrelax{captionsnswissgerman}{}{%
    \renewcaptionname{nswissgerman}{\presentedbyname}{vorgelegt von}%
    \renewcaptionname{nswissgerman}{\ordinalmalerefereename}{%
      \germanordinalmalecorrectorname}%
    \renewcaptionname{nswissgerman}{\ordinalfemalerefereename}{%
      \germanordinalfemalecorrectorname}%
  }%
}
⟨/WWUM | UKoLa⟩
```

While style initialization, something may change:

```
\renewcommand*{\inittitle}{%
```

style KOMAScript redefines some footnote macros:

```
⟨*KOMAScript⟩
  \let\footnotesize\small
  \let\footnoterule\relax
  \let\footnote\thanks
  \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
  \let\@oldmakefnmark\@makefnmark
  \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
⟨/KOMAScript⟩
```

styles DHBW, TU-DD, TU-HH, KIT, and UKoLa set some variable if not already done

```
⟨*DHBW | TU-DD | TU-HH | KIT | WWUM⟩
  \ifx\@university\@empty
    \university{%
⟨DHBW⟩      Dualen Hochschule%
⟨TU-DD⟩     Technische\nobreakspace Universit\"at\nobreakspace Dresden%
⟨TU-HH⟩     Technische\nobreakspace Universit\"at\nobreakspace
⟨TU-HH⟩     Hamburg-Harburg%
⟨KIT⟩      KIT -- \KITlongname
⟨WWUM⟩      Westf\"alischen Wilhelms-Universit\"at M\"unster%
    }%
  \fi
⟨/DHBW | TU-DD | TU-HH | KIT | WWUM⟩
⟨*DHBW | TU-DD | TU-HH | KIT | WWUM | UKoLa⟩
  \ifx\@place\@empty
    \place{%
⟨DHBW⟩      Baden-W\"urttemberg%
⟨TU-DD⟩     Dresden%
⟨TU-HH⟩     Hamburg%
⟨KIT⟩      Karlsruhe%
⟨*WWUM⟩
      \PackageError{uni-titlepage}{Birth 'place' missing}{%
        Style 'WWUM' needs the birth place of the student, so option 'place=...'
        resp.\MessageBreak
        command '\string\place{...}' is mandatory}%
⟨/WWUM⟩
⟨UKoLa⟩     Koblenz%
    }
  \fi
⟨*DHBW | UKoLa⟩
  \ifx\@mainlogo\@empty
⟨DHBW⟩    \IfFileExists{DHBW_d_MOS_195x95_rgb_300.jpg}{%
⟨UKoLa⟩    \IfFileExists{uni-koblenz-landau.png}{%
      \scr@ifundefinedorrelax{includegraphics}{%
        \if@atdocument\else\RequirePackage{graphicx}\fi
      }{}%
      \scr@ifundefinedorrelax{includegraphics}{}{%
        \mainlogo{%
⟨*DHBW⟩
          \includegraphics[width=57mm,height=27mm]
                          {DHBW_d_MOS_195x95_rgb_300.jpg}%
⟨/DHBW⟩
```

```
⟨*UKoLa⟩
            \includegraphics[width=63mm,height=10mm]
                             {uni-koblenz-landau.png}
⟨/UKoLa⟩
          }%
        }%
      }{}%
    \fi
⟨/DHBW | UKoLa⟩
⟨*DHBW⟩
    \ifx\@titlehead\@empty
      \titlehead{\hspace*{\fill}\@mainlogo}%
    \fi
⟨/DHBW⟩
⟨*DHBW | UKoLa⟩
    \ifx\@titlepagefont\@empty
      \renewcommand*{\@titlepagefont}{%
⟨DHBW⟩        \normalfont\sffamily
⟨UKoLa⟩        \normalfont
      }%
    \fi
⟨/DHBW | UKoLa⟩
⟨*KIT⟩
    \ifx\@homepage\@empty
      \homepage{\KITurl}%
    \fi
    \ifx\@mainlogo\@empty
```

Try to detect one of the suitable PNGs of the KIT logo from https://de.wikipedia.org/wiki/Datei:Logo_KIT.svg.

```
      \def\KIT@logo{KITLogo_RGB.pdf}\IfFileExists{\KIT@logo}{}{%
        \def\KIT@logo{2560px-Logo_KIT.svg.png}\IfFileExists{\KIT@logo}{}{%
          \def\KIT@logo{2000px-Logo_KIT.svg.png}\IfFileExists{\KIT@logo}{}{%
            \def\KIT@logo{1280px-Logo_KIT.svg.png}\IfFileExists{\KIT@logo}{}{%
              \def\KIT@logo{1024px-Logo_KIT.svg.png}\IfFileExists{\KIT@logo}{}{%
                \def\KIT@logo{1000px-Logo_KIT.svg.png}\IfFileExists{KIT@logo}{}{%
                  \def\KIT@logo{800px-Logo_KIT.svg.png}\IfFileExists{\KIT@logo}{}{%
                    \def\KIT@logo{640px-Logo_KIT.svg.png}\IfFileExists{\KIT@logo}{}{%
                      \def\KIT@logo{500px-Logo_KIT.svg.png}%
                    }}}}}}}}%
      \IfFileExists{\KIT@logo}{%
        \scr@ifundefinedorrelax{includegraphics}{%
          \if@atdocument\else\RequirePackage{graphicx}\fi
        }{}%
        \scr@ifundefinedorrelax{includegraphics}{}{%
          \mainlogo{%
            \includegraphics[width=40mm,height=18.5mm]{\KIT@logo}%
          }%
        }%
      }{}%
    \fi
    \ifx\@titlehead\@empty
      \titlehead{\@mainlogo\hspace*{\fill}}%
    \fi
```

```
    \ifx\@titlepagefont\@empty
      \renewcommand*{\@titlepagefont}{\usefont{T1}{phv}{m}{n}}%
    \fi
⟨/KIT⟩
⟨*WWUM⟩
    \ifx\@titlepagefont\@empty
      \renewcommand*{\@titlepagefont}{\normalfont\large}%
    \fi
⟨/WWUM⟩
⟨/DHBW | TU-DD | TU-HH | KIT | WWUM | UKoLa⟩
```

style `Markus-2` uses it's own pagestyle at the first title page

```
⟨*Markus & 2⟩
  \def\ps@maintitle{%
    \ps@empty
    \def\@oddhead{%
      \parbox[b][\headheight][b]{\hsize}{\@titlepagefont{%
          \csname @titlehead\endcsname}}%
    }%
    \let\@evenhead\@oddhead
  }%
⟨/Markus & 2⟩
```

styles `JT-Aufsaetze` and `JT-Geschichte` set some font defaults:

```
⟨*JT-Aufsaetze | JT-Geschichte⟩
  \ifx\@titlepagefont\@empty
⟨JT-Aufsaetze⟩   \renewcommand*{\@titlepagefont}{\normalfont\Huge\itshape}%
⟨*JT-Geschichte⟩
    \scr@ifundefinedorrelax{lsstyle}{%
      \renewcommand*{\@titlepagefont}{\normalfont\let\@tpf@extra\scshape}%
    }{%
      \renewcommand*{\@titlepagefont}{%
        \normalfont\def\@tpf@extra{\lsstyle\MakeUppercase}%
      }%
    }
⟨/JT-Geschichte⟩
  \fi
  \ifx\titlefont\@empty
    \renewcommand*{\titlefont}{\normalfont}%
  \fi
⟨/JT-Aufsaetze | JT-Geschichte⟩
⟨*JT-Typography⟩
  \ifx\@titlepagefont\@empty
    \renewcommand*{\@titlepagefont}{\normalfont\sffamily\bfseries}%
  \fi
⟨/JT-Typography⟩
}
```

`\publishers` KOMA-Script defines this macro. But we use `\publisher` instead.

```
⟨KOMAScript⟩\providecommand*{\publishers}{\publisher}
```

`\makemaintitle` This differs from style to style:

```
\renewcommand*{\makemaintitle}{%
```

```
  \begin{%
⟨DHBW | TU-DD | TU-HH | KIT⟩     fullsizetitle}
⟨*KOMAScript | Markus | Spacer | JT-Aufsaetze | JT-Geschichte | JT-Typography | WWUM | UKoLa⟩
    titlepage}
⟨/KOMAScript | Markus | Spacer | JT-Aufsaetze | JT-Geschichte | JT-Typography | WWUM | UKoLa⟩
    \setlength{\parskip}{\z@}%
    \setlength{\parindent}{\z@}%
    \setlength{\parfillskip}{\z@\@plus 1fil}%
    \linespread{1}\selectfont
    \@titlepagefont
⟨*DHBW⟩
    \vspace*{12mm}%
    \centering
    \begin{minipage}[t][\dimexpr\vsize-36mm\relax]{\dimexpr\hsize-40mm\relax}%
      \@titlehead\par
      \centering
      \Large
      \vfill
      {\titlefont{\Large\usenonemptytitleelement{title}}}\par
      \vfill
      {\subject@font{\Large\usenonemptytitleelement{subject}\par}}%
      \vfill
      \presentationinformationDHBW\par
      \vfill
      \fromname\\[.5\baselineskip]
      \usenonemptytitleelement{author}\par
      \vfill
      \@date\par
      \vfill
      \begin{tabular}{*2{p{.5\dimexpr\linewidth-3\tabcolsep\relax}}@{}}
        \durationname                                & \@duration \\[.5ex]
        \matriculationnumbername, \coursename    & \usenonemptytitleelement{matriculationnum
                                                       \usenonemptytitleelement{course}\\[.5ex]
        \companyname                                 & \usenonemptytitleelement{company} \\[.5ex
        \advisorname{} \ofthename{} \companyname & \usenonemptytitleelement{advisor} \\[.5ex
        \refereename{} \ofthename{} \@university & \usenonemptytitleelement{referee}
      \end{tabular}
    \end{minipage}
⟨/DHBW⟩
⟨*KOMAScript⟩
    \ifx\@titlehead\@empty \else
      \begin{minipage}[t]{\textwidth}%
        \@titlehead
      \end{minipage}\par
    \fi
    \null\vfill
    \begingroup
      \centering
      \ifx\@subject\@empty \else
        {\subject@font{\@subject \par}}%
        \vskip 3em
      \fi
      {\titlefont{\huge \usenonemptytitleelement{title}\par}}%
      \vskip 1em
```

```
      {\ifx\@subtitle\@empty\else\@subtitlefont{\@subtitle}\par\fi}%
      \vskip 2em
      {\Large \lineskip 0.75em
        \begin{tabular}[t]{c}
          \@author
        \end{tabular}\par
      }%
      \vskip 1.5em
      {\Large \@date \par}%
      \vskip \z@ \@plus3fill
      {\Large \@publisher \par}%
      \vskip 3em
    \endgroup
    \@thanks
    \vfill\null\vskip-\baselineskip
⟨/KOMAScript⟩
⟨*TU-DD⟩
    \rule{0pt}{5mm}\par
    \ifblackborder
      \leavevmode\hskip 1cm
      \setlength{\fboxrule}{1pt}%
      \expandafter\fbox
    \else
      \expandafter\mbox
    \fi
    {%
       \begin{minipage}[t][\dimexpr\textheight-2.5cm\relax][t]{%
           \dimexpr\linewidth\ifblackborder-3cm\fi\relax}
        \sffamily
        \centering
        \vskip 3cm
        {\fontsize{28pt}{34pt}\selectfont
          \strut\ignorespaces\@university\unskip\strut\\}
        {\fontsize{24pt}{28pt}\selectfont
          \strut\ignorespaces\@faculty\unskip\strut\\}
        {\fontsize{20pt}{24pt}\selectfont
          \strut\ignorespaces\@chair\unskip\strut\\
          \strut\ignorespaces\@professor\unskip\strut\\
          \vfill
          {\bfseries\strut\ignorespaces\@title\unskip\strut\\}
          \strut\ignorespaces\@subject\unskip\strut\\
          \vfill
          \raggedright
          \hspace*{.25\linewidth}%
          \strut\ignorespaces\presentedbyname\unskip\strut\\
          \hspace*{.25\linewidth}\quad
          \begin{tabular}{@{}l@{}}
            \strut\ignorespaces\@author\unskip\strut\\
            \strut\ignorespaces\@discipline\unskip\strut\\
            \strut\ignorespaces\@matriculationnumber\unskip\strut\\
          \end{tabular}\\
          \vskip\baselineskip
          \hspace*{.25\linewidth}%
          \strut\ignorespaces\advisorname\unskip:\strut\\
```

```
          \hspace*{.25\linewidth}\quad
          \begin{tabular}{@{}l@{}}
            \strut\ignorespaces\usenonemptytitleelement{advisor}\unskip\strut\\
          \end{tabular}
          \vskip2\baselineskip
          \hspace*{.25\linewidth}%
          \strut\ignorespaces\@place,\nobreakspace\thename\nobreakspace\@date
          \par}
        \vspace*{5mm}
      \end{minipage}
    }%
⟨/TU-DD⟩
⟨*TU-HH⟩
    \sffamily
    \centering
    \vspace{5cm}
    {\LARGE\bfseries\strut\ignorespaces\@title\\}
    {\Large\strut\ignorespaces\@subtitle\\}
    \vspace{2.5cm}
    {\Large\presentationinformationTUHH\\}
    \vspace{2.5cm}
    {\Large\strut\ignorespaces\fromname\\
      \strut\ignorespaces\usenonemptytitleelement{author}\\}
    \vspace{2.5cm}
    {\Large\strut\ignorespaces\fromplacename\\
      \strut\ignorespaces\usenonemptytitleelement{place}\\}
    \vspace{2.5cm}
    {\Large\@date}
⟨/TU-HH⟩
⟨*WWUM⟩
    \centering
    \usenonemptytitleelement{chair}\\
    \vspace{2cm}
    \usenonemptytitleelement{title}\\
    \vfill
    \presentationinformationWWUM\\
    \vfill
    \presentedbyname\\
    \usenonemptytitleelement{author}\\
    \ifx\@place\@empty\else\fromplacename{} \@place\\\fi
    --\,\the\year\,--
⟨/WWUM⟩
⟨*Markus & 1⟩
    \raggedright
    {\subject@font{%
        \large\strut\ignorespaces\@subject\par\vskip 2\baselineskip}}%
    {\titlefont{\LARGE\strut\ignorespaces\@title\par}}%
    {\@subtitlefont{%
        \large\vskip.5\baselineskip\strut\ignorespaces\@subtitle\par}}%
    \vfill
    {\csname @datefont\endcsname{\large\strut\ignorespaces\@date\par}}%
⟨/Markus & 1⟩
⟨*Spacer | Markus & 2⟩
    \raggedright
```

```
⟨Markus & 2⟩      \thispagestyle{maintitle}%
    \raisebox{0pt}[\ht\strutbox][\dimexpr\textheight-\ht\strutbox\relax]{%
      \ifx\title@rulecolor\@empty\else
        \@ifundefined{color}{}{\color{\title@rulecolor}}%
      \fi
      \rule[\dimexpr-.667\headsep-\textheight\relax]
           {\title@rulewidth}
           {\dimexpr\textheight+2\headsep\relax}\kern\title@rulesep
    }%
    \parbox[t][\textheight][t]
           {\dimexpr \textwidth-\title@rulewidth-\title@rulesep\relax}{%
      \raggedright
⟨*Spacer⟩
      \ifx\@titlehead\@empty\else
        \raisebox{\dimexpr\ht\strutbox-\totalheight\relax}{%
          \parbox[t]{\linewidth}{\@titlehead}%
        }\par
        \vskip 2\baselineskip
      \fi
⟨/Spacer⟩
      {\leavevmode\subject@font{%
          \large\strut\ignorespaces\@subject\par\vskip 2\baselineskip}}%
      {\def\and{\\}\csname @authorfont\endcsname{\large\@author}\par
        \vskip .5\baselineskip}%
      {\titlefont{\LARGE\strut\ignorespaces\@title\par}}%
      {\@subtitlefont{%
          \large\vskip.5\baselineskip\strut\ignorespaces\@subtitle\par}}%
      \vfill
      {\csname @publisherfont\endcsname{\large\@publisher\par}}%
      {\csname @datefont\endcsname{\large\strut\ignorespaces\@date\par}}%
    }%
⟨/Spacer | Markus & 2⟩
⟨*KIT⟩
    \setlength{\unitlength}{1mm}%
    \begin{picture}(0,0)
      \put(15,-12){%
        \line(1,0){\dimexpr\paperwidth-37mm\relax\@gobble}%
      }%
      \put(\dimexpr\paperwidth-22mm\@gobble,-19){\oval(14,14)[rt]}%
      \put(\dimexpr\paperwidth-15mm\@gobble,-19){%
        \line(0,-1){\dimexpr\paperheight-37mm\relax\@gobble}%
      }%
      \put(22,-\dimexpr\paperheight-18mm\relax\@gobble){%
        \line(1,0){\dimexpr\paperwidth-37mm\relax\@gobble}%
      }%
      \put(22,-\dimexpr\paperheight-25mm\relax\@gobble){\oval(14,14)[lb]}%
      \put(15,-\dimexpr\paperheight-25mm\relax\@gobble){%
        \line(0,1){\dimexpr\paperheight-37mm\relax\@gobble}%
      }%
    \end{picture}\par
    \vskip\dimexpr -\baselineskip+25mm\relax
    \hspace*{27mm}%
    \begin{minipage}[t][\dimexpr\paperheight-68mm\relax][t]
      {\dimexpr\paperwidth-54mm\relax}
```

```
      \raggedright\@titlehead\par
      \centering
      \vskip 25mm
      {\@titlepagefont\@title\par}%
      \vskip 20mm
      {\Large\@subject\par\fromname\par}
      \vskip 1cm
      {\huge\usenonemptytitleelement{author}\par}
      \vskip 1cm
      {\Large\presentationinformationKIT\par}
      \vskip 2cm
      {\Large
        \let\@tempa\refereename
        \def\@tempb{1}%
        \def\and{%
          \\
          \xdef\@tempb{\the\numexpr\@tempb+1\relax}%
          \expandafter\ordinal\expandafter{\@tempb}~\@tempa: &
        }%
        \begin{tabular}{@{}lr@{}}
          \refereename: & \@referee \\
          \global\let\@tempa\advisorname\xdef\@tempb{1}%
          \advisorname: & \@advisor \\
        \end{tabular}\par
      }
      \vfill
      {\large \durationname: \@duration\par}
    \end{minipage}
    \vskip 35mm
    \hspace*{27mm}\makebox[\dimexpr\paperwidth-56mm\relax]{%
      \tiny\@university\hfill\large\textbf{\@homepage}%
    }%
⟨/KIT⟩
⟨*JT-Aufsaetze⟩
    \centering
    \ifx\@author\@empty\else\@author\\
      \begin{picture}(\title@rulewidth\@gobble,
        \dimexpr .3ex+1pt+\title@rulesep\relax\@gobble)
        \ifx\title@rulecolor\@empty\else
          \@ifundefined{color}{}{\color{\title@rulecolor}}%
        \fi
        \put(0,\dimexpr .15ex+.5pt+\title@rulesep\relax\@gobble){%
          \linethickness{.3ex}\line(1,0){\title@rulewidth\@gobble}%
        }%
        \put(0,0){%
          \linethickness{1pt}\line(1,0){\title@rulewidth\@gobble}%
        }%
      \end{picture}\\[\baselineskip]
    \fi
    {\titlefont{\@title\par}}%
    \vfill
    \@publisher
⟨/JT-Aufsaetze⟩
⟨*JT-Geschichte⟩
```

```
    \centering
    \large{\@tpf@extra{\@author\unskip\strut}}\\[\dp\strutbox]
    {\titlefont{\Huge\@title\par}}
    \vfill
    \begin{picture}(\title@rulewidth\@gobble,
      \dimexpr 4pt+1pt+\title@rulesep\relax\@gobble)
      \ifx\title@rulecolor\@empty\else
        \@ifundefined{color}{}{\color{\title@rulecolor}}%
      \fi
      \put(0,\dimexpr 2pt+.5pt+\title@rulesep\relax\@gobble){%
        \linethickness{1pt}\line(1,0){\title@rulewidth\@gobble}%
      }%
      \put(0,0){%
        \linethickness{4pt}\line(1,0){\title@rulewidth\@gobble}%
      }%
    \end{picture}\\[\dp\strutbox]
    \@tpf@extra{\@publisher}%
    \ifx\@place\@empty\else
      \unskip\@tpf@extra{\strut}\\[\dp\strutbox]\@tpf@extra{\@place}%
    \fi
⟨/JT-Geschichte⟩
⟨*JT-Typography⟩
  \raggedright
  {\Large\MakeUppercase{\@author}\unskip\strut\\[\baselineskip]}
  {\titlefont{\Huge\MakeUppercase{\@title}\unskip\strut\\}}
  {\@subtitlefont{\normalsize\MakeUppercase{\@subtitle}\unskip\strut\\}}
  \vfill
  {\normalsize\MakeUppercase{\@place}\ifx\@place\@empty\else\enskip\fi
    {\LARGE\MakeUppercase{\@date}}%
    \ifx\@publisher\@empty\else\unskip\strut\\[1.5\baselineskip]
      \MakeUppercase{\@publisher}%
    \fi}
⟨/JT-Typography⟩
⟨*UKoLa⟩
    \begin{tabular}[t]{@{}c@{}}
      \raisebox{\dimexpr\ht\strutbox-\height}{\@mainlogo}\\
      \@chair\\
    \end{tabular}\hfill
    \begin{tabular}[r]{@{}c@{}}
      \raisebox{\dimexpr\ht\strutbox-\height}{\@secondlogo}\\
    \end{tabular}\par
    \vspace{5\baselineskip}
    \centering
    {\LARGE\bfseries\titlefont{\@title\par}}%
    \vspace{5\baselineskip}
    {\Large\subject@font{\@subject\par}}%
    \vspace{\baselineskip}
    \presentationinformationUKoLa\par
    \vspace{5\baselineskip}
    \presentedbyname\\[\baselineskip]
    {\Large\csname @authorfont\endcsname{\usenonemptytitleelement{author}\par}}%
    \vfill
    \raggedright
    \@hangfrom{\advisorname: }{\@advisor\par}%
```

```
    \newcommand*{\test@male@female}[1][m]{%
      \global\advance\@tempcnta by\@ne
      \Ifstr{##1}{f}{\def\fe@male{female}}{\def\fe@male{male}}%
      \@hangfrom{\csname ordinal\fe@male refereename\endcsname{\@tempcnta}: }%
      \def\and{\par\test@male@female}%
    }%
    \@tempcnta \z@
    \expandafter\test@male@female\@referee\par
    \vspace{3\baselineskip}
    \@place, \Ifstr{\indatename}{}{}{\indatename\ }\@date\par
⟨/UKoLa⟩
  \end{%
⟨DHBW | TU-DD | TU-HH | KIT⟩    fullsizetitle}
⟨*KOMAScript | Markus | Spacer | JT-Aufsaetze | JT-Geschichte | JT-Typography | WWUM | UKoLa⟩
    titlepage}
⟨/KOMAScript | Markus | Spacer | JT-Aufsaetze | JT-Geschichte | JT-Typography | WWUM | UKoLa⟩
}
```

Some of the styles need additional string options for the back of the main title. These are more structural than logical, so we do not define those globally!

uppertitleback (*opt.*)
\uppertitleback
\@uppertitlebacke
lowertitleback (*opt.*)
\lowertitleback
\@lowertitleback

```
⟨*KOMAScript | Markus | Spacer⟩
\providecommand*{\@uppertitleback}{}
\providecommand{\uppertitleback}[1]{\gdef\@uppertitleback{#1}}
\DefineFamilyKey[%
⟨KOMAScript⟩  KOMAScript%
⟨Markus & 1⟩  Markus-1%
⟨Markus & 2⟩  Markus-2%
⟨Spacer⟩  Spacer%
⟨JT-Aufsaetze⟩  JT-Aufsaetze%
⟨JT-Geschichte⟩  JT-Geschichte%
⟨JT-Geschichte⟩  JT-Typography%
]{title}{uppertitleback}{\uppertitleback{#1}\FamilyKeyStateProcessed}
\providecommand*{\@lowertitleback}{}
\providecommand{\lowertitleback}[1]{\gdef\@lowertitleback{#1}}
\DefineFamilyKey[%
⟨KOMAScript⟩  KOMAScript%
⟨Markus & 1⟩  Markus-1%
⟨Markus & 2⟩  Markus-2%
⟨Spacer⟩  Spacer%
⟨JT-Aufsaetze⟩  JT-Aufsaetze%
⟨JT-Geschichte⟩  JT-Geschichte%
⟨JT-Geschichte⟩  JT-Typography%
]{title}{lowertitleback}{\lowertitleback{#1}\FamilyKeyStateProcessed}
⟨/KOMAScript | Markus | Spacer⟩
```

\makemaintitleback

Only some of the styles define this:

```
⟨*KOMAScript | Markus | Spacer | JT-Aufsaetze | JT-Geschichte | JT-Typography⟩
\renewcommand*{\makemaintitleback}{%
  \begin{titlepage}
    \setlength{\parskip}{\z@}%
    \setlength{\parindent}{\z@}%
    \setlength{\parfillskip}{\z@\@plus 1fil}%
```

```
    \begin{minipage}[t]{\textwidth}
      \@titlepagefont{\@uppertitleback}%
    \end{minipage}\par
    \vfill
    \begin{minipage}[b]{\textwidth}
      \@titlepagefont{\@lowertitleback}%
    \end{minipage}
  \end{titlepage}
}
⟨/KOMAScript | Markus | Spacer | JT-Aufsaetze | JT-Geschichte | JT-Typography⟩
⟨*TU-HH⟩
\renewcommand*{\makemaintitleback}{%
  \begin{titlepage}
    \setlength{\parskip}{\z@}%
    \setlength{\parindent}{\z@}%
    \setlength{\parfillskip}{\z@\@plus 1fil}%
    \vspace*{\fill}
    \iffinal
      \@tempcnta\z@
      \def\and{%
        \par\advance\@tempcnta by\@ne
        \@hangfrom{%
          \expandafter\ordinal\expandafter{\the\@tempcnta}~\refereename:\enskip
        }%
      }\and\@referee
    \fi
    \vskip 1cm
    \iffinal
      \@hangfrom{\oralexaminationdatename:\enskip}{\@oralexaminationdate}%
    \fi
  \end{titlepage}
}
⟨/TU-HH⟩
⟨*WWUM⟩
\renewcommand*{\makemaintitleback}{%
  \begin{titlepage}
    \setlength{\parfillskip}{\z@\@plus 1fil}%
    \vspace*{\fill}
    \noindent
    \@tempcnta\z@
    \def\arraystretch{2}%
    \newcommand*{\test@malefemale}[1][m]{%
      \global\advance\@tempcnta by\@ne
      \Ifstr{##1}{f}{\def\fe@male{female}}{\def\fe@male{male}}%
      \csname \fe@male ordinal\endcsname{\@tempcnta}\space
      \csname \fe@male refereename\endcsname: &
      \def\and{\\\test@malefemale}%
    }%
    \begin{tabular}{@{}ll@{}}
      \chairmanname: & \@professor \\
      \expandafter\test@malefemale
      \@referee \\
      \oralexaminationdatename: & \@oralexaminationdate
      \ifx\examinationdatename\@empty\else
```

```
        \\\examinationdatename:     &
      \fi
      \\
    \end{tabular}
  \end{titlepage}
}
⟨/WWUM⟩
```

Some of the styles need additional string options for the pre title. These are more structural than logical, so we do not define those globally!

`extratitle` (*opt.*)

`\extratitle` `\@extratitle`

```
⟨*KOMAScript | Markus & 2 | Spacer | JT-Aufsaetze | JT-Geschichte | JT-Typography⟩
\providecommand*{\@extratitle}{}
\providecommand{\extratitle}[1]{\gdef\@extratitle{#1}}
\DefineFamilyKey[%
⟨KOMAScript⟩   KOMAScript%
⟨Markus & 2⟩   Markus-2%
⟨Spacer⟩   Spacer%
⟨JT-Aufsaetze⟩   JT-Aufsaetze%
⟨JT-Geschichte⟩   JT-Geschichte%
⟨JT-Typography⟩   JT-Typography%
]{title}{extratitle}{\extratitle{#1}\FamilyKeyStateProcessed}
⟨/KOMAScript | Markus & 2 | Spacer | JT-Aufsaetze | JT-Geschichte | JT-Typography⟩
```

`\makepretitle` `\makepretitleback`

Only some styles have pre titles:

```
⟨*KOMAScript | Markus & 2 | Spacer | JT-Aufsaetze | JT-Geschichte | JT-Typography⟩
\renewcommand*{\makepretitle}{%
  \ifx\@extratitle\@empty\else
    \begin{titlepage}
      \noindent\@extratitle
    \end{titlepage}
  \fi
}%
⟨/KOMAScript | Markus & 2 | Spacer | JT-Aufsaetze | JT-Geschichte | JT-Typography⟩
⟨*Markus & 1⟩
\renewcommand*{\makepretitle}{%
  \ifx\@publisher\@empty\else
    \begin{titlepage}
      \raggedleft
      {\@titlepagefont{%
          \large\strut\ignorespaces\@publisher\par}}%
    \end{titlepage}
  \fi
}
⟨/Markus & 1⟩
⟨*WWUM⟩
\renewcommand*{\makepretitle}{%
  \begin{fullsizetitle}
    \@titlepagefont
    \vspace*{.33\vsize}%

    \centering
    \usenonemptytitleelement{author}\\[1ex]
```

```
    \usenonemptytitleelement{title}\\[1ex]
    \the\year
  \end{fullsizetitle}
}
⟨/WWUM⟩
⟨*KOMAScript | Markus & 2 | Spacer | JT-Aufsaetze | JT-Geschichte | JT-Typography⟩
\renewcommand*{\makepretitleback}{%
  \ifx\@extratitle\@empty\else\begin{titlepage}\null\end{titlepage}\fi
}
⟨/KOMAScript | Markus & 2 | Spacer | JT-Aufsaetze | JT-Geschichte | JT-Typography⟩
⟨*Markus & 1⟩
\renewcommand*{\makepretitleback}{%
  \ifx\@author\@empty\else
    \ifx\@publisher\@empty\begin{titlepage}\end{titlepage}\fi
    \begin{titlepage}
      \raggedleft
      {\@titlepagefont{%
          \large\null\vskip 2\baselineskip
          \LARGE\strut{\def\and{\hspace{1em}\linebreak[3]}%
            \csname @authorfont\endcsname{\large\ignorespaces\@author}\par}}}%
    \end{titlepage}
  \fi
}
⟨/Markus & 1⟩
⟨*WWUM⟩
\renewcommand*{\makepretitleback}{%
  \if@twoside\begin{titlepage}\null\end{titlepage}\fi
}
⟨/WWUM⟩
```

`\makeposttitle` `\makeposttitleback`

And only some styles provides one more title page with dedication.

```
⟨*KOMAScript | Markus | Spacer | JT-Aufsaetze | JT-Geschichte | JT-Typography⟩
\renewcommand*{\makeposttitle}{%
  \ifx\@dedication\@empty\else
    \begin{titlepage}
      \null\vfill
      {\centering\csname @dedicationfont\endcsname{\@dedication \par}}%
      \vskip \z@ \@plus 3fill
    \end{titlepage}
  \fi
}
\renewcommand*{\makeposttitleback}{%
  \ifx\@dedication\@empty\else\begin{titlepage}\null\end{titlepage}\fi
}
⟨/KOMAScript | Markus | Spacer | JT-Aufsaetze | JT-Geschichte | JT-Typography⟩
```

4.4 The Examples and the Manual

```
\documentclass[a4paper,pagesize]{scrbook}
\usepackage[ngerman]{babel}
\usepackage{iftex}
\iftutex
⟨*TU-HH | TU-DD⟩
```

```
  \usepackage{fontspec}
  \setmainfont{TeX Gyre Termes}
  \setsansfont{TeX Gyre Heros}
⟨/TU-HH | TU-DD⟩
\else
  \usepackage[T1]{fontenc}
  \usepackage{lmodern}
⟨TU-HH | TU-DD⟩\usepackage{mathpazo}
⟨TU-HH | TU-DD⟩\usepackage[scaled]{helvet}
\fi
⟨JT-Geschichte⟩\usepackage{microtype}
⟨DHBW | Spacer | KIT | UKoLa⟩\usepackage[demo]{graphicx}% remove option demo if you have the lo
\usepackage{xcolor}
⟨JT-Geschichte | JT-Typography⟩\colorlet{RED}{red}% because of \MakeUppercase{\textcolor{red}{..
\usepackage{uni-titlepage}
\begin{document}
⟨*DHBW⟩
\TitlePageStyle{DHBW}
\makeatletter\providecommand*{\@titlepagefont}{\normalfont\sffamily}\makeatother
\setkomafont{subject}{\sffamily\bfseries}
\maketitle[%
  titlefont=\sffamily,
  mainlogo=\textcolor{red}{{%
    % You may add a company logo here!
    % NOTE: The original logo has a large white border!
    \includegraphics[width=57mm,height=27mm]%
    {DHBW_d_MOS_195x95_rgb_300.jpg}%
  }},
  % You may additionally change titlehead. The original definition of
  % titlehead is:
  titlehead={\hspace*{\fill}\usetitleelement{mainlogo}},
  title=\textcolor{red}{Bachelorarbeitsthema},
  subject=\textcolor{red}{BACHELORARBEIT},
  academicgrade=\textcolor{red}{Bachelor of Engineering},
  discipline=\textcolor{red}{Studiengang},
  place={Baden-Württemberg \textcolor{red}{Stadt}},
  student=\textcolor{red}{Vorname Nachname},
  duration=\textcolor{red}{12 Wochen},
  matriculationnumber=\textcolor{red}{Matrikelnummer},
  course=\textcolor{red}{Kurskürzel},
  company=\textcolor{red}{Firmenname, Stadt},
  advisor=\textcolor{red}{Titel Vorname Nachname},
  referee=\textcolor{red}{Titel Vorname Nachname},
  date=\textcolor{red}{Abgabedatum}
]
⟨/DHBW⟩
⟨*TU-DD⟩
\TitlePageStyle{TU-DD}
\maketitle[%
  title=\textcolor{red}{Titel im Stil \texttt{TU-DD}},
  university=\textcolor{red}{%
    Technische\nobreakspace Universit\"at\nobreakspace Dresden},%
  faculty=\textcolor{red}{Fakultät Wirtschafswissenschaften},
  chair=\textcolor{red}{SAP-Stiftungslehrstuhl für\\
```

```
    Entrepreneurship und Innovation},
  professor=\textcolor{red}{Prof.\,Dr.\,Michael Schefcyk},
%  subject=diploma, % one of: project, seminar, studentresearch,
%                   % diploma, degree, master, bachelor, or ...
  subject=\textcolor{red}{Seminararbeit\\(bzw. Diplomarbeit)},% ... direct value
  student=\textcolor{red}{Vorname und Name},
  discipline=\textcolor{red}{Studienrichtung},
  matriculationnumber=\textcolor{red}{Matrikel-Nr.},
  advisor=\textcolor{red}{(mit akadem. Grad, Vor- und Zuname)},
  date=\textcolor{red}{(Datum der Abgabe)}
]

\TitleOptions{pagenumber=1,blackborder}% same with 'Trauerrand'
\maketitle% everything else, like above
⟨/TU-DD⟩
⟨*KOMAScript⟩
\TitlePageStyle[pagenumber=1]{KOMAScript}
\maketitle[
  extratitle=\textcolor{red}{Das ist ein Schmutztitel im Stil \texttt{KOMAScript}},
  titlehead=\textcolor{red}{Den Kopfbereich kann man auf diese Weise füllen.},
  subject=\textcolor{red}{Eine Klassifizierung der Arbeit},
  title=\textcolor{red}{Titel im Stil \texttt{KOMAScript}},
  subtitle=\textcolor{red}{Untertitel},
  publisher=\textcolor{red}{Einen Verlag kann man ebenfalls angeben},
  uppertitleback=\textcolor{red}{Oberer Bereich der Rückseite des Haupttitels im Stil
    \texttt{KOMAScript}.},
  lowertitleback=\textcolor{red}{Unterer Bereich der Rückseite des Haupttitels im Stil
    \texttt{KOMAScript}.},
  dedication=\textcolor{red}{Eine Widmung im Stil \texttt{KOMAScript}}
]
⟨/KOMAScript⟩
⟨*TU-HH⟩
\TitlePageStyle[pagenumber=1]{TU-HH}
\maketitle[%
  final,
  title=\textcolor{red}{Titel im Stil \texttt{TU-HH}},
  university=\textcolor{red}{Technischen Universität Hamburg-Harburg},
  subject=degree,
  author=\textcolor{red}{Vorname und Name},
  academicgrade=\textcolor{red}{Doktor der Naturwissenschaften (Dr.\,rer.\,nat\,)},
  place=\textcolor{red}{(Geburtsort)},
  date=\textcolor{red}{(aktuelles Jahr)},
  referee=\textcolor{red}{Name des ersten Gutachters\protect\and Name des zweiten
    Gutachters},
  oralexaminationdate=\textcolor{red}{29. Februar 2009}
]
⟨/TU-HH⟩
⟨*Markus | Spacer⟩
% Maybe we should define one more option for this:
\setkomafont{subject}{\normalfont\sffamily}% because of KOMA-Script class
\setkomafont{title}{\normalfont\sffamily}% because of KOMA-Script class
⟨*1⟩
\TitlePageStyle[pagenumber=1]{Markus-1}
\maketitle[%
```

```
  titlepagefont={\normalfont\sffamily},% to show is without KOMA-Script class
  title=\textcolor{red}{Titel im Stil \texttt{Markus-1}},
  subject=\textcolor{red}{Eine Klassifizierung der Arbeit},
  subtitle=\textcolor{red}{Untertitel},
  publisher=\textcolor{red}{Verlag},
  uppertitleback=\textcolor{red}{Oberer Bereich der Rückseite des Haupttitels
    im Stil \texttt{Markus-1}.},
  lowertitleback=\textcolor{red}{Unterer Bereich der Rückseite des Haupttitels
    im Stil \texttt{Markus-1}.},
  dedication=\textcolor{red}{Eine Widmung im Stil \texttt{Markus-1}},
  author=\textcolor{red}{Markus~Kohm\protect\and Sonst~Jemand}
]
⟨/1⟩
⟨∗2 | Spacer⟩
⟨2⟩\TitlePageStyle[pagenumber=1]{Markus-2}
⟨Spacer⟩\TitlePageStyle[pagenumber=1]{Spacer}
\maketitle[%
  rulewidth=2pt,
  extratitle=\textcolor{red}{Das ist ein Schmutztitel im Stil \texttt{%
⟨2⟩       Markus-2}},
⟨Spacer⟩       Spacer}},
⟨∗Spacer⟩
  titlehead=\textcolor{red}{\includegraphics{Logo}},
⟨/Spacer⟩
  title=\textcolor{red}{Titel im Stil \texttt{%
⟨2⟩       Markus-2}},
⟨Spacer⟩       Spacer}},
  subject=\textcolor{red}{Eine Klassifizierung der Arbeit},
  subtitle=\textcolor{red}{Untertitel},
  publisher=\textcolor{red}{Verlag},
  uppertitleback=\textcolor{red}{Oberer Bereich der Rückseite des Haupttitels
    im Stil \texttt{%
⟨2⟩       Markus-2}.},
⟨Spacer⟩       Spacer}.},
  lowertitleback=\textcolor{red}{Unterer Bereich der Rückseite des Haupttitels
    im Stil \texttt{%
⟨2⟩       Markus-2}.},
⟨Spacer⟩       Spacer}.},
  dedication=\textcolor{red}{Eine Widmung im Stil \texttt{%
⟨2⟩       Markus-2}},
⟨Spacer⟩       Spacer}},
  author=\textcolor{red}{Markus~Kohm}
]
⟨/2 | Spacer⟩
⟨/Markus | Spacer⟩
⟨∗KIT⟩
\TitlePageStyle{KIT}
\maketitle[%
  mainlogo={\textcolor{red}{%
      \includegraphics[width=40mm,height=18.5mm]{KITLogo_RGB}}},%
  % You may additionally change titlehead. Original definition of titlehead
  % is:
  titlehead={\usetitleelement{mainlogo}\hspace*{\fill}},%
  title=\textcolor{red}{Titel der Arbeit\\im Stil \texttt{KIT}},%
```

```
  subject=\textcolor{red}{Klassifizierung der Arbeit},%
  author=\textcolor{red}{Markus~Kohm},%
  faculty=\textcolor{red}{Fakultät für Informatik},%
  chair=\textcolor{red}{%
    Institute for Program Structures\\and Data Organization (IPA)},%
  advisor={\textcolor{red}{Titel Vorname Nachname}\and
    \textcolor{red}{Titel Vorname Nachname}},%
  referee={\textcolor{red}{Titel Vorname Nachname}\and
    \textcolor{red}{Titel Vorname Nachname}},%
  duration=\textcolor{red}{XX. Monat 20XX -- XX. Monat 20XX},%
  university=\textcolor{red}{\KITlongname},%
  homepage=\textcolor{red}{\KITurl}%
]
⟨/KIT⟩
⟨*JT-Aufsaetze⟩
\TitlePageStyle{JT-Aufsaetze}
\maketitle[%
  % There are only three official elements:
  author={\textcolor{red}{Markus Kohm}},%
  title={\textcolor{red}{Titel der Arbeit angelehnt an Jan Tschicholds
      ausgewählte Aufsätze über Fragen der Gestalt des Buches und der
      Typographie}},
  titlefont=\normalfont,% You may change the font of the main title
  publisher={\textcolor{red}{Der Verlag}}
  % Nevertheless, you may use extratitle, lowertitleback and uppertitleback.
  % See Markus-2 for more information about those.
]
⟨/JT-Aufsaetze⟩
⟨*JT-Geschichte⟩
\TitlePageStyle{JT-Geschichte}
\maketitle[%
  % There are only four official elements:
  author={\textcolor{red}{Markus Kohm}},%
  title={\textcolor{red}{Titel der Arbeit angelehnt an Jan Tschicholds
      Geschichte der Schrift in Bildern}},
  titlefont=\itshape,% You may change the font of the main title
  publisher={\textcolor{red}{Der Verlag in seiner Langform}},
  place={\textcolor{red}{Der Ort}}
  % Nevertheless, you may use extratitle, lowertitleback and uppertitleback.
  % See Markus-2 for more information about those.
]
⟨/JT-Geschichte⟩
⟨*JT-Typography⟩
\TitlePageStyle{JT-Typography}
\maketitle[%
  % There are only four official elements:
  author={\textcolor{red}{Markus Kohm}},%
  title={\textcolor{red}{Titel der Arbeit}},
  subtitle={\textcolor{red}{angelehnt an the new Typography}},
  publisher={\textcolor{red}{Veröffentlicht für einen Verlag oder auch nicht}},
  place={\textcolor{red}{Der Ort}},
  date={\textcolor{red}{2012}}
  % Nevertheless, you may use extratitle, lowertitleback and uppertitleback.
  % See Markus-2 for more information about those.
```

```
]
⟨/JT-Typography⟩
⟨*WWUM⟩
\TitlePageStyle{WWUM}
\renewcaptionname{ngerman}{\examinationdatename}{Tag der Promotion}
%\renewcaptionname{ngerman}{\examinationdatename}{}
%\renewcaptionname{ngerman}{\chairmanname}{Dekan}
%\renewcaptionname{ngerman}{\chairmanname}{Dekanin}
\maketitle[%
  title={\textcolor{red}{Titel der Arbeit}},
  subject={\textcolor{red}{Inaugural-Dissertation}},
  academicgrade={\textcolor{red}{Doktorgrades}},
  discipline={\textcolor{red}{Physik}},
  science={\textcolor{red}{Naturwissenschaften}},
  chair={\textcolor{red}{Experimentelle Physik}},
  faculty={\textcolor{red}{Mathematisch-Naturwissenschaftlichen}},
  author={\textcolor{red}{Mein Name}},
  place={\textcolor{red}{Geburtsort}},
  referee={\textcolor{red}{Peter Mustermann}\and
    [f]\textcolor{red}{Petra Musterfrau}},
  professor={\textcolor{red}{Klaus Naseschwarz}}
]
⟨/WWUM⟩
⟨*UKoLa⟩
\TitlePageStyle{UKoLa}
\maketitle[%
  titlefont=\sffamily,
  mainlogo=\textcolor{red}{{%
    \includegraphics[height=10mm,width=63mm]%
    {uni-koblenz-landau}%
  }},
  chair=\textcolor{red}{Nummer des Instituts:
  Name des Instituts},
  secondlogo=\textcolor{red}{Optionales weiteres Logo},
  title=\textcolor{red}{Titel der Studien-, Bachelor-, Master- oder Diplomarbeit},
  subject=\textcolor{red}{Diplomarbeit},
  academicgrade=\textcolor{red}{Diplom-Informatikers},
  discipline=\textcolor{red}{Name des Studiengangs},
  place={\textcolor{red}{Koblenz}},
  author=\textcolor{red}{Vorname und Nachname des Absolventen / der
  Absolventin},
  advisor=\textcolor{red}{Title{}
    Vorname{}
    Name,
    Institut, Fachbereich innerhalb der Universität /
    Institution außerhalb der Universität},
  referee={\textcolor{red}{Title{}
    Vorname{}
    Name,
    Institut, Fachbereich innerhalb der Universität /
    Institution außerhalb der Universität}%
  \and[f]\textcolor{red}{Title{}
    Vorname{}
    Name,
```

```
    Institut, Fachbereich innerhalb der Universität /
    Institution außerhalb der Universität}%
  },%
  date=\textcolor{red}{Abgabemonat},
]

⟨/UKoLa⟩
\end{document}
⟨*!README⟩
\documentclass{ltxdoc}
\IfPackageAtLeastTF{doc}{2022/01/01}{}{%
  \errhelp{To avoid this error message, use doc.sty v3 instead of v2}%
  \errmessage{Package 'doc' is to old!}%
}
\usepackage[english]{babel}
\usepackage{xltabular}
\usepackage{ragged2e}
\usepackage{booktabs}
\usepackage{graphicx}
\usepackage{hvlogos}
\newcommand*\NewIn[1]{\leavevmode\marginpar{\footnotesize\hfill added in #1}}
\newcommand*\ChangedIn[1]{\leavevmode\marginpar{\footnotesize\hfill changed in
    #1}}
\NewDocElement[macrolike = true,
               toplevel  = false,
               idxtype   = ,
               idxgroup  = User commands,
               printtype =
               ]{InterfaceMacro}{imacro}
\NewDocElement[macrolike = false,
               toplevel  = false,
               idxtype   = opt.,
               idxgroup  = Title options,
               printtype = \textit{opt.}
              ]{Option}{option}
\NewDocumentCommand{\pkg}{sO{https://www.ctan.org/pkg/#3}m}{%
  \IfBooleanTF{#1}{\@gobble}{%
    \csname tl_if_blank:nTF\endcsname{#2}{\@gobble}{\href}%
  }%
  {#2}{\textsf{#3}}%
}
\newcommand*{\File}{\texttt}
\CodelineIndex
\RecordChanges
\EnableCrossrefs
\GetFileInfo{uni-titlepage.drv}
\begin{document}
\title{More Titlepage Styles with Package \pkg{uni-titlepage}}
\author{\href{mailto:komascript@gmx.info}{Markus Kohm}}
\date{\fileversion{} \filedate}
\maketitle
\begin{abstract}
⟨/!README⟩
⟨*README⟩
```

```
1918 ------------------------------------------------------------------------------
1919
1920 This work may be distributed and/or modified under the conditions of
1921 the LaTeX Project Public License, version 1.3c of the license.
1922 The latest version of this license is in
1923     http://www.latex-project.org/lppl.txt
1924 and version 1.3c or later is part of all distributions of LaTeX
1925 version 2005/12/01 or later.
1926
1927 This work has the LPPL maintenance status "maintained".
1928
1929 The Current Maintainer and author of this work is Markus Kohm.
1930
1931 ------------------------------------------------------------------------------
1932
1933 # ABSTRACT
1934
1935 ⟨/README⟩
1936 Creation of title pages is something most authors should not have to do.
1937 But reality is not perfect, so a lot of authors have to do it.  In 2009
1938 ⟨!README⟩KOMA started the title page project at \url{https://komascript.de/titlepage}
1939 ⟨README⟩KOMA started the title page project at <https://komascript.de/titlepage>
1940 to collect real title pages and implement them with a well defined interface.
1941 ⟨!README⟩In 2021 the project has been moved to \url{https://github.com/komascript/uni-title
1942 ⟨README⟩In 2021 the project has been moved to <https://github.com/komascript/uni-titlepage>
1943 and renamed.
1944
1945 Now, changing from one title page style to another would be very
1946 simple.  Nevertheless implementation of a new title page style may be still
1947 difficult.  But maybe the guys of the title page project would help you.  Just
1948 ask!
1949 ⟨*README⟩
1950
1951 # Unpacking and Installation for Developers and Distributors
1952
1953 To unpack and install all files, you can download the source from github
1954 and then run:
1955
1956     l3build install
1957
1958 Afterwards you can build the manual and the PDFs of the examples using:
1959
1960     l3build doc
1961
1962 As an alternative you can use the CTAN source distribution. This already
1963 contains the user manual and the PDFs of the example files. So you only have
1964 to run
1965
1966     tex uni-titlepage.dtx
1967
1968 to generate the package file ‘uni-titlepage.sty‘, the title definition files
1969 ‘title-*.def‘ and the example titlepages ‘titlepage-*.tex‘.
1970
1971 Please note, the ‘title-*.def‘ files are run-time files. Together with
```

```
‘uni-titlepage.sty‘ they have to be placed in ‘tex/latex/uni-titlepage‘ inside
a TDS tree. All files ‘titlepage-*.tex‘ and ‘titlepage-*.pdf‘ as well as
‘uni-titlepage.pdf‘ are part of the documentation and should be placed in
‘doc/latex/uni-titlepage/‘ of the TDS tree.

# Unpacking and Installation for Users

Users can use the installation described at [Unpacking and Installation for
Developers and
Distributors](#unpacking-and-installation-for-developers-and-distributors).
However, if your TeX distributor already distributes a ready for installation
package, you do not need and should not create files and copy them
yourself. Just use the package manager of your TeX distribution to install the
package.

# How to Contribute

If you have made a title definition that is not specific for a single project
but could be of interest for other users, you can either

* make your own ‘uni-titlepage-FOO‘ package with its own manual and [upload it
to ctan](https://www.ctan.org/upload),
* contribute in adding it to ‘uni-titlepage‘.

The first option has the advantage, that you are free. There won’t be any code
reviews by the ‘uni-titlepage‘ developers. You don’t need to use the same
coding style. There is not need to accept the license of ‘uni-titlepage‘
etc. But in this case you have to take care to keep it compatible with future
releases of ‘uni-titlepage‘ and it will not be presented in the
‘uni-titlepage‘ manual.

The second option has the advantage, that after accepting your code, the
‘uni-titlepage‘ developers will try to keep it working even if they change
‘uni-titlepage‘. But there are several restrictions to your code, before it
will be accepted. For example, you should always try to use general options,
if possible. *Static text* (not handled by options) should be configurable via
‘\newcaptionname‘, ‘\providecaptionname‘ and ‘\renewcaptionname‘ and should be
available at least in English and German (but if we can, we help in
translating them). The coding style and quality is also a criterion.

⟨/README⟩
⟨*!README⟩
\end{abstract}
\DocInput{uni-titlepage.dtx}
\end{document}
⟨/!README⟩
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Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

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