

More Titlepage Styles with Package titlepage*

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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 <http://www.komascript.de/titlepage> to collect real title pages and implement them with a well defined interface. So 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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*This is file version v0.4d of file `titlepage.ltx`.

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‡**Note:** All version below 0.9 are ALPHA versions. Everything may change. Everything may break. Everything may happen.

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1 Loading the Package

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

```
\usepackage{titlepage}
```

This package declares several options for title page manipulation. We will declare 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 Another way to set an option is to use either
TitleOptions

```
\TitleOption{<option>} {<value>}
```

or

```
\TitleOptions{<option>=<value>,...}.
```

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

For every 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 commands inside the option value!

<i>String Option</i>	<i>Styles</i>	<i>Common Meaning</i>
advisor	TU-DD	if your personal advisor differs from the advising professor, this is the name of the advisor
author	<i>every style</i>	the authors, with some styles (currently not with DHBW) you may separate multiple authors by <code>\and</code>
chair	TU-DD, KIT	the chair 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	the documents main date, this may be, e.g., the release date, the semester of a thesis or any other most valid date

...

<i>String Option</i>	<i>Styles</i>	<i>Common Meaning</i>
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
degree	DHBW, TU-HH	the degree you've reached with the work
discipline	DHBW, TU-DD	the discipline in which you've made your work or degree
duration	DHBW	the processing time for your work
faculty	TU-DD, KIT	the faculty of the university where you've made or presented your work
homepage	KIT	the www-address of the homepage
mainlogo	DHBW, KIT	a logo at the main title (currently used for the DHBW or the KIT logo at the default of <code>titlehead</code>)
matriculationnumber	DHBW, TU-DD	if you were a student while you've made the work, this is your number
oralexaminationdate	TU-HH	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	the place, in general the city, where you've made the work or where the Duale Hochschule or the publisher resides
professor	TU-DD	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

...

<i>String Option</i>	<i>Styles</i>	<i>Common Meaning</i>
referee	DHBW, TU-HH	every academic work will be referred; with some styles (currently TU-HH) multiple referees may be separated with <code>\and</code>
student	<i>see author</i>	same like author
subject	<i>every style</i>	the kind of work, there are special predefined subjects; if you use one of bachelor , degree , diploma , master , project , seminar , or studentresearch a language dependend replacement will be done; to avoid this, you may set the value in parenthesis
subtitle	KOMAScript, Markus-1, Markus-2, Spacer, TU-HH	the sub-title of the document
title	<i>every style</i>	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	the university where you've made or presented your work


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 your distributor or administrator for those! But you may find the code of all examples in **docstrip** syntax even at section 4.4 starting at page 51. At the shown examples most variable contents was made red.

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.ltx`) is:

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



Bachelorarbeitsthema

BACHELORARBEIT

für die Prüfung zum
Bachelor of Engineering

des Studienganges Studiengang
an der Dualen Hochschule Baden-Württemberg Stadt

von
Vorname Nachname

Abgabedatum

Bearbeitungszeitraum	12 Wochen
Matrikelnummer, Kurs	Matrikelnummer, Kurskürzel
Ausbildungsfirma	Firmenname, Stadt
Betreuer der Ausbildungsfirma	Titel Vorname Nachname
Gutachter der Dualen Hochschule	Titel Vorname Nachname

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 automatically. 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.ltx`) 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`, `publisher`. You may use `\thanks` at any of these.

Das ist ein Schaustitel im Stil KOMAScript

Den Kopfbereich kann man auf diese Weise füllen.

Eine Klassifizierung der Arbeit

Titel im Stil KOMAScript

Untertitel

Einen Verlag kann man ebenfalls angeben

<p>Oberer Bereich der Rückseite des Haupttitels im Stil KOMAScript.</p> <p>Unterer Bereich der Rückseite des Haupttitels im Stil KOMAScript.</p>	<p>Eine Widmung im Stil KOMAScript</p>
	<ol style="list-style-type: none"> 4. only in twoside mode defined by <code>uppertitleback</code> and <code>lowertitleback</code>, which are not package options but style options. You may set them using <code>\TitleOption</code> or <code>\TitleOptions</code> after loading the style or with the optional argument of <code>\maketitle</code> or <code>\TitlePageStyle</code>. 5. optional post title with <code>dedication</code>. 6. empty and only in twoside mode with <code>dedication</code> 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.ltx`) 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`.

	<div>Verlag</div>
<div>Markus Kohn Sonst Jemand</div>	<div>Eine Klassifizierung der Arbeit</div> <div>Titel im Stil Markus-1</div> <div>Untertitel</div>

<p>Oberer Bereich der Rückseite des Haupttitels im Stil <code>Markus-1</code>.</p> <p>Unterer Bereich der Rückseite des Haupttitels im Stil <code>Markus-1</code>.</p>	<p>Eine Widmung im Stil <code>Markus-1</code></p>
	<ol style="list-style-type: none"> 4. only in twoside mode defined by <code>uppertitleback</code> and <code>lowertitleback</code>, which are not package options but style options. You may set them using <code>\TitleOption</code> or <code>\TitleOptions</code> after loading the style or with the optional argument of <code>\maketitle</code> or <code>\TitlePageStyle</code>. 5. optional post title with <code>dedication</code>. 6. empty and only in twoside mode with <code>dedication</code> 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.ltx`) 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` and `rulesep` for the vertical rule (these aren't package options but style options), `subject`, `title`, `subtitle`, `author`, `date`, and `publisher`.

Das ist ein Schaustitel im Stil Markus-2

Eine Klassifizierung der Arbeit

Markus Kohn

Titel im Stil Markus-2

Untertitel

Verlag

<p>Oberer Bereich der Rückseite des Haupttitels im Stil <code>Markus-2</code>.</p> <p>Unterer Bereich der Rückseite des Haupttitels im Stil <code>Markus-2</code>.</p>	<p>Eine Widmung im Stil <code>Markus-2</code></p>
	<ol style="list-style-type: none"> 4. only in twoside mode defined by <code>uppertitleback</code> and <code>lowertitleback</code>, which are not package options but style options. You may set them using <code>\TitleOption</code> or <code>\TitleOptions</code> after loading the style or with the optional argument of <code>\maketitle</code> or <code>\TitlePageStyle</code>. 5. optional post title with <code>dedication</code>. 6. empty and only in twoside mode with <code>dedication</code> used.

2.5 Style Spacer

This style is a variant of style **Markus-2** from section 2.4. It was asked by **spacer2012** at the titlepage project on <http://www.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.ltx**) 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** and **rulesep** for the vertical rule (these aren't package options but style options), **subject**, **title**, **subtitle**, **author**, **date**, and **publisher**.

Das ist ein Schautitel im Stil Spacer



Eine Klassifizierung der Arbeit

Markus Köhn

Titel im Stil Spacer

Untertitel

Verlag

<p>Oberer Bereich der Rückseite des Haupttitels im Stil <code>Spacer</code>.</p> <p>Unterer Bereich der Rückseite des Haupttitels im Stil <code>Spacer</code>.</p>	<p>Eine Widmung im Stil <code>Spacer</code></p>
	<ol style="list-style-type: none"> 4. only in twoside mode defined by <code>uppertitleback</code> and <code>lowertitleback</code>, which are not package options but style options. You may set them using <code>\TitleOption</code> or <code>\TitleOptions</code> after loading the style or with the optional argument of <code>\maketitle</code> or <code>\TitlePageStyle</code>. 5. optional post title with <code>dedication</code>. 6. empty and only in twoside mode with <code>dedication</code> used.

2.6 Style TU-DD

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

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

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

Technische Universität Dresden
Fakultät Wirtschaftswissenschaften
SAP-Stiftungslehrstuhl für
Entrepreneurship und Innovation
Prof. Dr. Michael Schefczyk

Titel im Stil TU-DD
Seminararbeit
(bzw. Diplomarbeit)

eingereicht von
Vorname und Name
Studienrichtung
Matrikel-Nr.

Betreuer:
(mit akadem. Grad, Vor- und Zuname)

Dresden, den (Datum der Abgabe)

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

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

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

Technische Universität Dresden
Fakultät Wirtschaftswissenschaften
SAP-Stiftungslehrstuhl für
Entrepreneurship und Innovation
Prof. Dr. Michael Schefczyk

Titel im Stil TU-DD
Seminararbeit
(bzw. Diplomarbeit)

eingereicht von
Vorname und Name
Studienrichtung
Matrikel-Nr.

Betreuer:
(mit akadem. Grad, Vor- und Zuname)

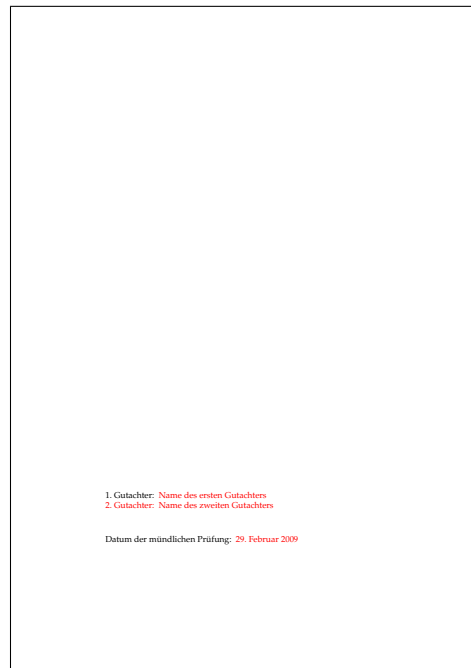
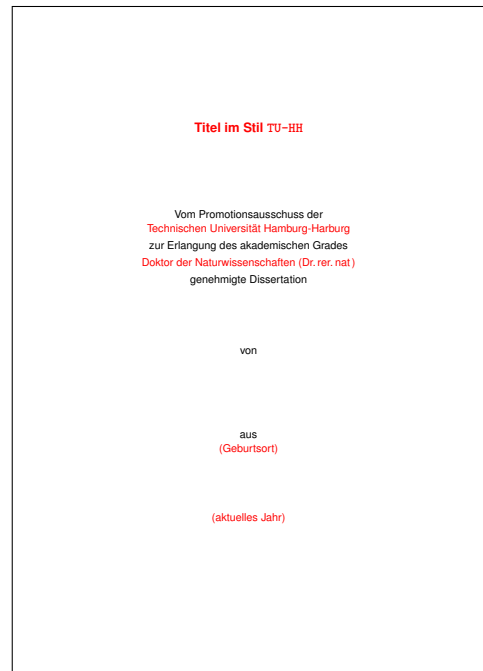
Dresden, den (Datum der Abgabe)

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.ltx`) are:

1. main title page with `title`, `subtitle`, `university`, `degree`, `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`.

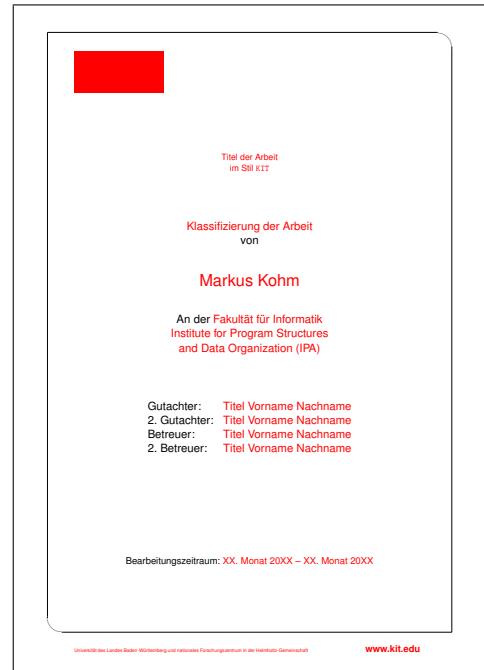
2.8 Style KIT

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.ltx`) 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. 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.

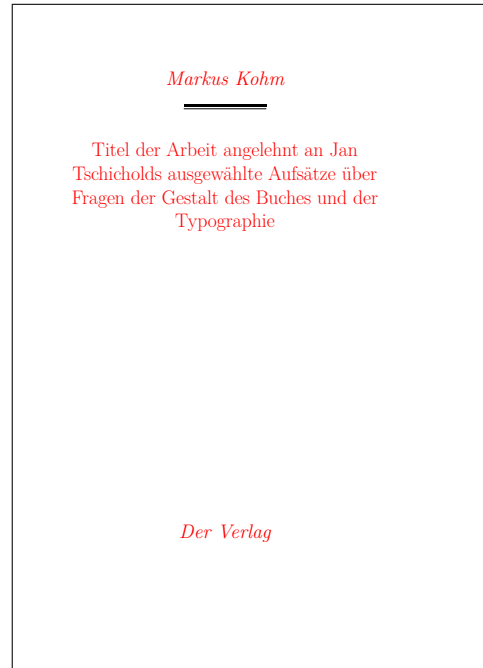


2.9 Style JT-Aufsaetze

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 and 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.ltx`) is:

1. main title page with `author`, `title`, `publisher`, `rulewidth` and `rulesep` for width of the horizontal rules and the distance between them (these aren’t package options but style options).



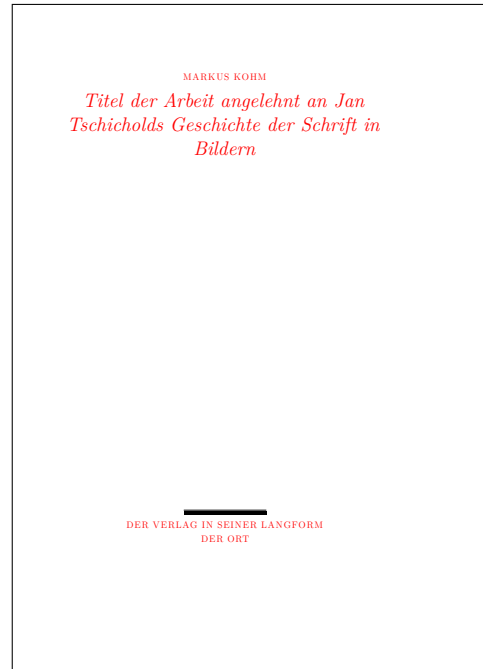
2.10 Style JT-Geschichte

The style is based on “Jan Tschichold: Geschichte der Schrift in Bildern; Holbein-Verlag, 1947”. This is another major book of classic typography. It 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.ltx`) is:

1. main title page with `author`, `title`, `publisher`, `place`, `rulewidth` and `rulesep` for width of the horizontal rules and the distance between them (these aren't package options but style options).

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.ltx`) is:

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



3 Additional 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 preamble or even after `\begin{document}`, but some code should not be executed before `\begin{document}`.

`titlepage` 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` 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`, `degree`, `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`.

4 Implementation

Note: To generate all files, you should simply call

```
pdftex -shell-escape titlepage.dtx
```

If you are using MiKTeX you have to use

```
pdftex --enable-write18 titlepage.dtx
```

to fully enable shell escapes which are also known as `\write18` feature.

If it fails, you may try

```
tex titlepage.dtx
```

instead. After this call `pdflatex` for each of the generated files with suffix `.ltx`. `pdflatex` call of `titlepage.ltx` should be last one and you have to call this at least three times.

All `ltx` files should be installed together with all `pdf` files at documentation folder. The `sty` file together with all `def` files should be installed at latex package folder.

4.1 The Installation Driver ‘titlepage.ins’

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

```
1 \def\batchfile{titlepage.dtx}
2 \input docstrip.tex
3 \ifTopLevel{%
4   \Msg{*****}
5   \Msg{*}
6   \Msg{* Steps of titlepage generation:}
7   \Msg{* =====}
8   \Msg{*}
9   \Msg{* - Generation of all needed files:}
10  \keepsilent
11  \askforoverwritefalse
12 }
13
14 \preamble
15 Copyright (c) 2011 by Markus Kohm <komascript(at)gmx.info>
16
17 This file was generated from file(s) of titlepage distribution.
18 -----
19
20 This work may be distributed and/or modified under the conditions of
21 the LaTeX Project Public License, version 1.3c of the license.
22 The latest version of this license is in
23 http://www.latex-project.org/lppl.txt
```

24 and version 1.3c or later is part of all distributions of LaTeX
25 version 2005/12/01 or later.

26

27 This work has the LPPL maintenance status "maintained".

28

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

30

31 This file may only be distributed together with the file
32 'titlepage.dtx'. You may however distribute the file 'titlepage.dtx'
33 without this file.

34

35 NOTE: THIS IS AN ALPHA-VERSION!

36 \endpreamble

37

38 \generate{%

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

\file{titlepage.ins}{\from{titlepage.dtx}{ins}}% not needed

39 \file{titlepage.sty}{\from{titlepage.dtx}{package}}%

40 \file{title-DHBW.def}{\from{titlepage.dtx}{driver,DHBW}}%

41 \file{title-KOMAScript.def}{\from{titlepage.dtx}{driver,KOMAScript}}%

42 \file{title-Markus-1.def}{\from{titlepage.dtx}{driver,Markus,1}}%

43 \file{title-Markus-2.def}{\from{titlepage.dtx}{driver,Markus,2}}%

44 \file{title-Spacer.def}{\from{titlepage.dtx}{driver,Spacer}}%

45 \file{title-TU-DD.def}{\from{titlepage.dtx}{driver,TU-DD}}%

46 \file{title-TU-HH.def}{\from{titlepage.dtx}{driver,TU-HH}}%

47 \file{title-KIT.def}{\from{titlepage.dtx}{driver,KIT}}%

48 \file{title-JT-Aufsaetze.def}{\from{titlepage.dtx}{driver,JT-Aufsaetze}}%

49 \file{title-JT-Geschichte.def}{\from{titlepage.dtx}{driver,JT-Geschichte}}%

50 \file{title-JT-Typography.def}{\from{titlepage.dtx}{driver,JT-Typography}}%

51 \file{titlepage.ltx}{\from{titlepage.dtx}{doc>manual}}%

52 \file{titlepage-DHBW.ltx}{\from{titlepage.dtx}{doc,example,DHBW}}%

53 \file{titlepage-KOMAScript.ltx}{\from{titlepage.dtx}{doc,example,KOMAScript}}%

54 \file{titlepage-Markus-1.ltx}{\from{titlepage.dtx}{doc,example,Markus,1}}%

55 \file{titlepage-Markus-2.ltx}{\from{titlepage.dtx}{doc,example,Markus,2}}%

56 \file{titlepage-Spacer.ltx}{\from{titlepage.dtx}{doc,example,Spacer}}%

57 \file{titlepage-TU-DD.ltx}{\from{titlepage.dtx}{doc,example,TU-DD}}%

58 \file{titlepage-TU-HH.ltx}{\from{titlepage.dtx}{doc,example,TU-HH}}%

59 \file{titlepage-KIT.ltx}{\from{titlepage.dtx}{doc,example,KIT}}%

60 \file{titlepage-JT-Aufsaetze.ltx}{\from{titlepage.dtx}{doc,example,JT-Aufsaetze}}%

61 \file{titlepage-JT-Geschichte.ltx}{\from{titlepage.dtx}{doc,example,JT-Geschichte}}%

62 \file{titlepage-JT-Typography.ltx}{\from{titlepage.dtx}{doc,example,JT-Typography}}%

63 \nopreamble\nopostamble

64 \file{README.txt}{\from{titlepage.dtx}{README}}%

65 }%

66

After file generation, we use shell escapes (aka `\write18` feature) to create `titlepage.pdf`, the manual.

```

67 \ifToplevel{%
68   \Msg{* \space\space done.}
69   \Msg{* - Generation of manual and examples:}
70   \expandafter\ifx\csname pdfshellescape\endcsname\relax
71     \Msg{* WARNING: \string\pdfshellescape\space not available!}
72     \Msg{* WARNING: You should run this file with shell-escapes enabled.}
73     \Msg{* WARNING: Otherwise you have to call}
74     \Msg{* WARNING: \space\space pdflatex titlepage.ltx}
75     \Msg{* WARNING: to generate the manual and examples on your own!}
76     \batchmode \errmessage{}\csname @@end\endcsname\csname end\endcsname
77   \else\ifnum \pdfshellescape=1 \else
78     \Msg{* WARNING: shell-escapes not activated!}
79     \Msg{* WARNING: You should run this file with shell-escapes enabled.}
80     \Msg{* WARNING: Otherwise you have to call}
81     \Msg{* WARNING: \space\space pdflatex titlepage.ltx}
82     \Msg{* WARNING: to generate the manual and examples on your own!}
83     \batchmode \errmessage{}\csname @@end\endcsname\csname end\endcsname
84   \fi\fi
85 }
86
87 \immediate\write18{cp README.txt README || copy README.txt README}
88 \immediate\write18{pdflatex -interaction=nonstopmode titlepage-DHBW.ltx}
89 \immediate\write18{pdftoppm -f 1 -l 1 -r 72 -png titlepage-DHBW.pdf titlepage-DHBW.png}
90 \immediate\write18{pdflatex -interaction=nonstopmode titlepage-KOMAScript.ltx}
91 \immediate\write18{pdftoppm -f 3 -l 3 -r 72 -png titlepage-KOMAScript.pdf titlepage-KOMAScript.png}
92 \immediate\write18{pdflatex -interaction=nonstopmode titlepage-Markus-1.ltx}
93 \immediate\write18{pdftoppm -f 3 -l 3 -r 72 -png titlepage-Markus-1.pdf titlepage-Markus-1.png}
94 \immediate\write18{pdflatex -interaction=nonstopmode titlepage-Markus-2.ltx}
95 \immediate\write18{pdftoppm -f 3 -l 3 -r 72 -png titlepage-Markus-2.pdf titlepage-Markus-2.png}
96 \immediate\write18{pdflatex -interaction=nonstopmode titlepage-Spacer.ltx}
97 \immediate\write18{pdftoppm -f 3 -l 3 -r 72 -png titlepage-Spacer.pdf titlepage-Spacer.png}
98 \immediate\write18{pdflatex -interaction=nonstopmode titlepage-TU-DD.ltx}
99 \immediate\write18{pdftoppm -f 1 -l 1 -r 72 -png titlepage-TU-DD.pdf titlepage-TU-DD.png}
100 \immediate\write18{pdflatex -interaction=nonstopmode titlepage-TU-HH.ltx}
101 \immediate\write18{pdftoppm -f 1 -l 1 -r 72 -png titlepage-TU-HH.pdf titlepage-TU-HH.png}
102 \immediate\write18{pdflatex -interaction=nonstopmode titlepage-KIT.ltx}
103 \immediate\write18{pdftoppm -f 1 -l 1 -r 72 -png titlepage-KIT.pdf titlepage-KIT.png}
104 \immediate\write18{pdflatex -interaction=nonstopmode titlepage-JT-Aufsaetze.ltx}
105 \immediate\write18{pdftoppm -f 1 -l 1 -r 72 -png titlepage-JT-Aufsaetze.pdf titlepage-JT-Aufsaetze.png}
106 \immediate\write18{pdflatex -interaction=nonstopmode titlepage-JT-Geschichte.ltx}
107 \immediate\write18{pdftoppm -f 1 -l 1 -r 72 -png titlepage-JT-Geschichte.pdf titlepage-JT-Geschichte.png}
108 \immediate\write18{pdflatex -interaction=nonstopmode titlepage-JT-Typography.ltx}
109 \immediate\write18{pdftoppm -f 1 -l 1 -r 72 -png titlepage-JT-Typography.pdf titlepage-JT-Typography.png}
110 \immediate\write18{pdflatex -interaction=nonstopmode titlepage.ltx}
111 \immediate\write18{mindex titlepage}
112 \immediate\write18{pdflatex -interaction=nonstopmode titlepage.ltx}
113 \immediate\write18{mindex titlepage}

```

```

114 \immediate\write18{pdflatex -interaction=nonstopmode titlepage.ltx}
115
116 \ifToplevel{%
117   \Msg{* \space\space done.}
118   \Msg{*}
119   \Msg{* You may install all the files now.}
120   \Msg{*}
121   \Msg{*****}
122 }

```

At docstrip run we like to finish the file know:

```

123 \csname endinput\endcsname

```

4.2 The Package ‘scrbase.sty’

`\TitleOptions` 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.

```

124 \RequirePackage{scrbase}[2011/06/07]
125 \DefineFamily{title}
126 \DefineFamilyMember{title}
127 \newcommand*{\TitleOptions}{\FamilyOptions{title}}
128 \newcommand*{\TitleOption}{\FamilyOption{title}}

```

`pagenumber`

```

129 \newcounter{titlepage}\setcounter{titlepage}{\@ne}
130 \DefineFamilyKey{title}{pagenumber}{\setcounter{titlepage}{#1}}

```

`\titlepagestyle`

```

pagestyle 131 \providecommand*{\titlepagestyle}{}
132 \renewcommand*{\titlepagestyle}{empty}
133 \DefineFamilyKey{title}{pagestyle}{\renewcommand*{\titlepagestyle}{#1}}

```

`\if@restonecol`

```

134 \ifcsname @restonecolfalse\endcsname
135   \expandafter\@gobble
136 \else
137   \expandafter\@firstofone
138 \fi
139 {\newif\if@restonecol}

```

`titlepage`

```

140 \scr@ifundefinedorrelax{titlepage}{\def\titlepage{}}{}
141 \scr@ifundefinedorrelax{endtitlepage}{\def\endtitlepage{}}{}
142 \providecommand*\maketitle[1]{}{}

```

`\inittitle` Set of commands, that define a title style:

`\makeprettitle` 143 \newcommand*{\tp@undefinedtitle}[1]{%

`\makeprettitleback`

`\makemainttitle`

`\makemainttitleback`

`\makeposttitle`

`\makeposttitleback`

`\exittitle`

`\tp@undefinedtitle`

```

144 \PackageInfo{titlepage}{leaving not defined #1-title page empty}%
145 }
146 \newcommand*{\inittitle}{}
147 \newcommand*{\makeprettitle}{\tp@undefinedtitle{pre}}
148 \newcommand*{\makeprettitleback}{\tp@undefinedtitle{back of pre}}
149 \newcommand*{\makemainttitle}{\tp@undefinedtitle{main}}
150 \newcommand*{\makemainttitleback}{\tp@undefinedtitle{back of main}}
151 \newcommand*{\makeposttitle}{\tp@undefinedtitle{post}}
152 \newcommand*{\makeposttitleback}{\tp@undefinedtitle{back of post}}
153 \newcommand*{\exittitle}{}

\inittitlestyle Will be called before loading a title style:
154 \newcommand*{\inittitlestyle}{%
155 \renewenvironment{titlepage}[1][]{%
156 \TitleOptions{##1}%
157 \clearpage
158 \if@twocolumn
159 \@restonecoltrue\onecolumn
160 \else
161 \@restonecolfalse
162 \fi
163 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
164 \if@twoside% im einseitigen Satz ist mir alles egal
165 \ifodd\value{page}% aktuelle Seite ist ungerade
Current page number is odd ...
166 \ifodd\value{titlepage}%
167 \else
... wanted page number is even: put in empty page.
168 \null\newpage
169 \fi
170 \else
Current page number is even ...
171 \ifodd\value{titlepage}%
... wanted page number is off: put in empty page.
172 \null\newpage % Leerseite
173 \fi
174 \fi
175 \fi
176 \setcounter{page}{\value{titlepage}}%
177 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
178 }{%
179 \if@restonecol\twocolumn \else \newpage\fi
180 \stepcounter{titlepage}%
181 }%
182
183 \renewcommand*{\maketitle}[1][]{%
184 \begingroup

```

```

185     \TitleOptions{##1}%
186     \inittitle
187     \makeprettitle\if@twoside\makeprettitleback\fi
188     \makemainttitle\if@twoside\makemainttitleback\fi
189     \makeposttitle\if@twoside\makeposttitleback\fi
190     \exittitle
191 \endgroup
192 }%
193
194 \renewcommand*{\inittitle}{}%
195 \renewcommand*{\makeprettitle}{\tp@undefinedtitle{pre}}%
196 \renewcommand*{\makeprettitleback}{\tp@undefinedtitle{back of pre}}%
197 \renewcommand*{\makemainttitle}{\tp@undefinedtitle{main}}%
198 \renewcommand*{\makemainttitleback}{\tp@undefinedtitle{back of main}}%
199 \renewcommand*{\makeposttitle}{\tp@undefinedtitle{post}}%
200 \renewcommand*{\makeposttitleback}{\tp@undefinedtitle{back of post}}%
201 \renewcommand*{\exittitle}{}%
202 }
203 \inittitlestyle

\titlebox New environment for full page titles (with respect to BCOR or Gm@bindingoffset
fullsizetitle if defined)
204 \newsavebox\titlebox
205 \newenvironment{fullsizetitle}[1][]{%
206     \TitleOptions{##1}%
207     \begin{lrbox}{\titlebox}
208         \hsize\paperwidth
209         \scr@ifundefinedorrelax{ta@bcor}{%
210             \scr@ifundefinedorrelax{Gm@bindingoffset}{}%
211             \advance\hsize-\Gm@bindingoffset}%
212         }{%
213             \advance\hsize-\ta@bcor
214             \scr@ifundefinedorrelax{Gm@bindingoffset}{}%
215             \ifdim \Gm@bindingoffset=\ta@bcor\else
216                 \PackageWarning{titlepage}{ignoring geometry's binding
217                     correction,\MessageBreak
218                     using typearea's binding correction.\MessageBreak
219                     If you're using geometry and typearea,\MessageBreak
220                     you should set both options to same value,\MessageBreak
221                     e.g. \string\KOMAOPTIONS{BCOR=\ta@bcor}\MessageBreak
222                     \space\space\space\space\space
223                     \string\geometry{bindingoffset=\ta@bbcor}\MessageBreak
224                     to make titlepage use this value%
225                 }%
226             \fi
227         }%
228     }%
229     \vsize\paperheight
230     \linewidth\hsize

```

```

231    \columnwidth\hsize
232    \textwidth\hsize
233    \textheight\vsiz
234    \noindent\minipage{\hsize}
235 }{%
236     \endminipage
237 \end{lrbox}
238 \begin{titlepage}%
239     \vspace*{-1in}\vskip-\topmargin\vskip-\headheight\vskip-\headsep
240     \vskip-\topskip
241     \raggedright
242     \leavevmode
243     \hskip-1in
244     \ifodd\c@page
245         \hskip-\oddsidemargin
246         \scr@ifundefinedorrelax{ta@bcor}{%
247             \scr@ifundefinedorrelax{Gm@bindingoffset}{}%
248             \hskip\Gm@bindingoffset}%
249         }{\hskip\ta@bcor}%
250     \else
251         \hskip-\evensidemargin
252     \fi
253     \vbox to\z@{\hsize\z@
254         \vskip-\baselineskip
255         \makebox[0pt][l]{\usebox\titlebox}%
256         \vss
257     }%
258 \end{titlepage}
259 }

```

```

\DefineSimpleTitleKey Define title page “variables”:
\DefineReplaceTitleKey 260 \newcommand*{\tp@replacewarning}[2]{%
    \tp@replacewarning 261 \PackageWarning{titlepage}{%
        \tp@dokeys 262 using ‘#2’ instead of ‘#1’,\MessageBreak
        263 because ‘#1’ not defined%
        264 }%
        265 }
        266 \newcommand*{\tp@dokeys}{%
        267 \newcommand*{\DefineSimpleTitleKey}[2][.\@currname.\@current]{%
        268 \l@addto@macro\tp@dokeys{\do{#2}}%
        269 \expandafter\newcommand\expandafter*\csname @#2\endcsname{%
        270 \expandafter\newcommand\expandafter*\csname #2\endcsname[1]{%
        271 \expandafter\gdef\csname @#2\endcsname{##1}}%
        272 \DefineFamilyKey[#1]{title}{#2}{\csname #2\endcsname{##1}}%
        273 }
        274 \newcommand*{\DefineReplaceTitleKey}[3][.\@currname.\@current]{%
        275 \DefineFamilyKey[#1]{title}{#2}{%
        276 \tp@replacewarning{#2}{#3}%
        277 \FamilyOptions{title}{#3=##1}%

```

```

278 }%
279 }

\titlehead
\@titlehead 280 \providecommand*\@titlehead{}{}
  titlehead 281 \providecommand{\titlehead}[1]{\gdef\@titlehead{#1}}
    282 \DefineFamilyKey{title}{titlehead}{\titlehead{#1}}

\homepage
\@homepage 283 \providecommand*\@homepage{}{}
  homepage 284 \providecommand{\homepage}[1]{\gdef\@homepage{#1}}
    285 \DefineFamilyKey{title}{homepage}{\homepage{#1}}

\title
\@title 286 \let\@title\relax\let\title\relax\DefineSimpleTitleKey{title}
  title
\author
\@author 287 \let\@author\relax\let\author\relax\DefineSimpleTitleKey{author}
  author
\date
\@date 288 \let\@date\relax\let\date\relax\DefineSimpleTitleKey{date}
  date
\duration
\@duration 289 \DefineSimpleTitleKey{duration}
  duration
\course
\@course 290 \DefineSimpleTitleKey{course}
  course
\company
\@company 291 \DefineSimpleTitleKey{company}
  company
\subtitle
\@subtitle 292 \let\@subtitle\relax\let\subtitle\relax\DefineSimpleTitleKey{subtitle}
  subtitle
\university
\@university 293 \DefineSimpleTitleKey{university}
  university
\faculty
\@facilty 294 \DefineSimpleTitleKey{faculty}
  faculty
\chair
\@chair 295 \DefineSimpleTitleKey{chair}
  chair
\professor
\@professor 296 \DefineSimpleTitleKey{professor}
  professor

```

```

\subject
\@subject 297 \providecommand*{\@subject}{}
  subject 298 \providecommand*{\subject}[1]{\gdef\@subject{#1}}
    299 \l@addto@macro\tp@dokeys{\do{subject}}%
    300 \DefineFamilyKey{title}{subject}{%
    301   \ifstr{#1}{project}{\subject{projectpapername}}{%
    302     \ifstr{#1}{seminar}{\subject{seminarpapername}}{%
    303       \ifstr{#1}{studentresearch}{\subject{studentresearchname}}{%
    304         \ifstr{#1}{diploma}{\subject{diplomathesisname}}{%
    305           \ifstr{#1}{degree}{\subject{degreethesisname}}{%
    306             \ifstr{#1}{master}{\subject{masterthesisname}}{%
    307               \ifstr{#1}{bachelor}{\subject{bachelorthesisname}}{%
    308                 \subject{#1}%
    309               }%
    310             }%
    311           }%
    312         }%
    313       }%
    314     }%
    315   }%
    316 }

  student
    317 \DefineReplaceTitleKey{student}{author}

\discipline
\@discipline 318 \DefineSimpleTitleKey{discipline}
  discipline
    \degree
    \@degree 319 \DefineSimpleTitleKey{degree}
    degree
\matriculationnumber
\@matriculationnumber 320 \DefineSimpleTitleKey{matriculationnumber}
  matriculationnumber
    \advisor
    \@advisor 321 \DefineSimpleTitleKey{advisor}
    advisor
    \referee
    \@referee 322 \DefineSimpleTitleKey{referee}
    referee
    \place
    \@place 323 \DefineSimpleTitleKey{place}
    place
\publisher
\@publisher 324 \DefineSimpleTitleKey{publisher}
  publisher 325 \renewcommand*{\@publisher}{\csname @publishers\endcsname}

```

```

\mainlogo
\@mainlogo 326 \DefineSimpleTitleKey{mainlogo}
mainlogo
\oralexaminationdate
\@oralexaminationdate 327 \DefineSimpleTitleKey{oralexaminationdate}
oralexaminationdate
\dedication
\@dedication 328 \providecommand*{\@dedication}{%
dedication 329 \providecommand{\dedication}[1]{\gdef\@dedication{#1}}
330 \DefineFamilyKey{title}{dedication}{\dedication{#1}}

\usetitleelement Users cannot simply use, e.g., \@title, \@mainlogo etc. So we need a
\@usetitleelement@error command to get them:
331 \newcommand*{\usetitleelement}[1]{%
332 \scr@ifundefinedorrelax{#1}{%
333 \@usetitleelement@error{#1}%
334 }{%
335 \scr@ifundefinedorrelax{@#1}{%
336 \@usetitleelement@error{#1}%
337 }{%
338 \@nameuse{@#1}%
339 }%
340 }%
341 }
342 \newcommand*{\@usetitleelement@error}[1]{%
343 \PackageError{titlepage}{‘#1’ isn’t a title element}{%
344 You should use \string\usetitleelement\space for title elements
345 only!\MessageBreak
346 If you’ll continue, command will be ignored.}%
347 }

```

Some variables use their own configurable font:

```

titlepagefont
\@titlepagefont 348 \scr@ifundefinedorrelax{newkomafont}{%
349 \newcommand*{\@titlepagefont}{%
350 }{%
351 \newkomafont{titlepage}{}%
352 }
353 \DefineFamilyKey{title}{titlepagefont}{%
354 \renewcommand*{\@titlepagefont}{#1}%
355 }

subjectfont
\subject@font 356 \providecommand*{\subject@font}{\bfseries}
357 \DefineFamilyKey{title}{subjectfont}{%
358 \renewcommand*{\subject@font}{#1}%
359 }

```



```

titlefont
\title@font 360 \providecommand*{\titlefont}{\bfseries}
361 \DefineFamilyKey{title}{titlefont}{\bfseries}
362 \renewcommand*{\titlefont}{\bfseries}
363 }

```

```

subtitlefont
\@subtitlefont 364 \providecommand*{\@subtitlefont}{\bfseries}
365 \DefineFamilyKey{title}{subtitlefont}{\bfseries}
366 \renewcommand*{\@subtitlefont}{\bfseries}
367 }

```

```

\TitlePageStyle Load a title page style from file
368 \newcommand*{\TitlePageStyle}[2][]{%
369 \IfFileExists{title-#2.def}{%
370 \begingroup
371 \edef\@tempa{\endgroup
372 \noexpand\inittitlestyle
373 \noexpand\makeatletter
374 \noexpand\input{title-#2.def}%
375 \noexpand\catcode'\noexpand\@=\the\catcode'\@
376 }%
377 \@tempa
378 \TitleOptions{#1}%
379 }{%
380 \PackageError{titlepage}{No title definition for '#2' found}{%
381 You've tried to set title page style '#2', but no title page
382 style definition file\MessageBreak
383 'title-#2.def' may be found%
384 }%
385 }
386 }

```

```

\NowButAfterBeginDocument Nice shortcut:
387 \newcommand*{\NowButAfterBeginDocument}{%
388 \if@atdocument
389 \expandafter\@firstofone
390 \else
391 \expandafter\AtBeginDocument
392 \fi
393 }

394 \DeclareOption*{\expandafter\TitlePageStyle\expandafter{\CurrentOption}}
395 \FamilyProcessOptions*\relax

```

```

\projectpapername
\seminarpapername 396 % Language dependent terms:
\studentreserchname 397 \providecommand*{\projectpapername}{Project Paper}
\diplomathesisname 398 \providecommand*{\seminarpapername}{Seminar Paper}
\degreethesisname
\masterthesisname
\bachelorthesisname
\presentedbyname
\advisorname
\thename
\ofthename
\fromname
\fromplacename
\refereename
\oralexaminationdatename
\ordinal

```

```

399 \providecommand*\studentresearchname{Student Research Project}
400 \providecommand*\diplomathesisname{Diploma Thesis}
401 \providecommand*\degreethesisname{Degree Thesis}
402 \providecommand*\masterthesisname{Master Thesis}
403 \providecommand*\bachelorthesisname{Bachelor Thesis}
404 \providecommand*\presentedbyname{presented by}
405 \providecommand*\advisorname{Advisor}
406 \providecommand*\thename{}
407 \providecommand*\ofthename{of the}
408 \providecommand*\fromname{from}
409 \providecommand*\fromplacename{from}
410 \providecommand*\refereename{Referee}
411 \providecommand*\oralexaminationdatename{Date of Oral Examination}
412 \providecommand*\atthename{at}
413 \providecommand*\durationname{Processing Time}
414 \providecommand*\matriculationnumbername{Matriculationnumber}
415 \providecommand*\coursename{Course}
416 \providecommand*\companyname{Training Company}
417 \providecommand*\examinationname{Examination}
418 \newcommand*\ordinal{\englishordinal}
419 \AtBeginDocument{%
420   \providecaptionname{english}{\projectpapername}{Project Paper}%
421   \providecaptionname{english}{\seminarpapername}{Seminar Paper}%
422   \providecaptionname{english}{\studentresearchname}{Student Research Project}%
423   \providecaptionname{english}{\diplomathesisname}{Diploma Thesis}%
424   \providecaptionname{english}{\degreethesisname}{Degree Thesis}%
425   \providecaptionname{english}{\masterthesisname}{Master Thesis}%
426   \providecaptionname{english}{\bachelorthesisname}{Bachelor Thesis}%
427   \providecaptionname{english}{\ordinal}{\englishordinal}%
428   \providecaptionname{english}{\presentedbyname}{presented by}%
429   \providecaptionname{english}{\advisorname}{Advisor}%
430   \providecaptionname{english}{\thename}{}%
431   \providecaptionname{english}{\ofthename}{of the}%
432   \providecaptionname{english}{\fromname}{from}%
433   \providecaptionname{english}{\fromplacename}{from}%
434   \providecaptionname{english}{\refereename}{Referee}%
435   \providecaptionname{english}{\oralexaminationdatename}{Date of Oral
436     Examination}%
437   \providecaptionname{english}{\durationname}{Processing Time}%
438   \providecaptionname{english}{\matriculationnumbername}{Matriculationnumber}%
439   \providecaptionname{english}{\coursename}{Course}%
440   \providecaptionname{english}{\companyname}{Training Company}%
441   \providecaptionname{english}{\examinationname}{Examination}%
442   \providecaptionname{german}{\projectpapername}{Projektarbeit}%
443   \providecaptionname{german}{\seminarpapername}{Seminararbeit}%
444   \providecaptionname{german}{\studentresearchname}{Studienarbeit}%
445   \providecaptionname{german}{\diplomathesisname}{Diplomarbeit}%
446   \providecaptionname{german}{\degreethesisname}{Dissertation}%
447   \providecaptionname{german}{\masterthesisname}{Master-Arbeit}%

```

```

448 \providecaptionname{german}{\bachelorthesisname}{Bachelor-Arbeit}%
449 \providecaptionname{german}{\ordinal}{\germanordinal}%
450 \providecaptionname{german}{\presentedbyname}{eingereicht von}%
451 \providecaptionname{german}{\advisorname}{Betreuer}%
452 \providecaptionname{german}{\thename}{den}%
453 \providecaptionname{german}{\ofthename}{der}%
454 \providecaptionname{german}{\fromname}{von}%
455 \providecaptionname{german}{\fromplacename}{aus}%
456 \providecaptionname{german}{\refereename}{Gutachter}%
457 \providecaptionname{german}{\oralexaminationdatename}{Datum der m\"undlichen
458   Pr\"ufung}%
459 \providecaptionname{german}{\durationname}{Bearbeitungszeitraum}%
460 \providecaptionname{german}{\matriculationnumbername}{Matrikelnummer}%
461 \providecaptionname{german}{\coursename}{Kurs}%
462 \providecaptionname{german}{\companyname}{Ausbildungsfirma}%
463 \providecaptionname{german}{\examinationname}{Pr\"ufung}%
464 \providecaptionname{ngerman}{\projectpapername}{Projektarbeit}%
465 \providecaptionname{ngerman}{\seminarpapername}{Seminararbeit}%
466 \providecaptionname{ngerman}{\studentresearchname}{Studienarbeit}%
467 \providecaptionname{ngerman}{\diplomathesisname}{Diplomarbeit}%
468 \providecaptionname{ngerman}{\degreethesisname}{Dissertation}%
469 \providecaptionname{ngerman}{\masterthesisname}{Master-Arbeit}%
470 \providecaptionname{ngerman}{\bachelorthesisname}{Bachelor-Arbeit}%
471 \providecaptionname{ngerman}{\ordinal}{\germanordinal}%
472 \providecaptionname{ngerman}{\presentedbyname}{eingereicht von}%
473 \providecaptionname{ngerman}{\advisorname}{Betreuer}%
474 \providecaptionname{ngerman}{\thename}{den}%
475 \providecaptionname{ngerman}{\ofthename}{der}%
476 \providecaptionname{ngerman}{\fromname}{von}%
477 \providecaptionname{ngerman}{\fromplacename}{aus}%
478 \providecaptionname{ngerman}{\refereename}{Gutachter}%
479 \providecaptionname{ngerman}{\oralexaminationdatename}{Datum der m\"undlichen
480   Pr\"ufung}%
481 \providecaptionname{ngerman}{\durationname}{Bearbeitungszeitraum}%
482 \providecaptionname{ngerman}{\matriculationnumbername}{Matrikelnummer}%
483 \providecaptionname{ngerman}{\coursename}{Kurs}%
484 \providecaptionname{ngerman}{\companyname}{Ausbildungsfirma}%
485 \providecaptionname{ngerman}{\examinationname}{Pr\"ufung}%
486 }

```

\englishordinal

```

487 \newcommand*{\englishordinal}[1]{%
488   \ifcsname engordnumber\endcsname
489     \engordnumber{#1}%
490   \else
491     \ifnum #1<\@ne
492       \PackageError{titlepage}{ordinal of ‘#1’ not defined}{%
493         This package does only define english ordinals from 1}%
494     \else

```

```

495     \ifcase #1\or 1st\or 2nd\or 3rd\or 4th\or 5th\or 6th\or 7th\or 8th\or
496     9th\or 10th\else
497     \PackageError{titlepage}{ordinal of ‘#1’ not defined}{%
498     This package does only define english ordinals from 1 to
499     10.\MessageBreak
500     You may load package ‘engord’ to improve support of english
501     ordinals}%
502     \fi
503     \fi
504     \fi
505 }

```

`\germanordinal`

```

506 \newcommand*{\germanordinal}[1]{%
507     \ifnum #1<\@ne
508     \PackageError{titlepage}{ordinal of ‘#1’ not defined}{%
509     This package does only define german ordinals from 1}%
510     \else
511     #1.%
512     \fi
513 }

```

4.3 The titlepage Drivers

```

514 \begingroup
515 \def\PackageNotLoadedError#1{%
516     \GenericError{%
517     (#1)\@spaces\@spaces\@spaces\@spaces
518     }{%
519     File ‘#1’ Error: package ‘titlepage’ hasn’t been loaded%
520     }{%
521     This definition file was made to be loaded by package
522     ‘titlepage’.\MessageBreak
523     You may not use it without package ‘titlepage’!\MessageBreak
524     See the documentation of package ‘titlepage’ for explanation.%
525     }%
526     }%
527 \ifx\csname titlepage.sty@vers\endcsname\relax
528     \PackageNotLoadedError{%
529     <DHBW>         title-DHBW.def%
530     <KOMAScript>    title-KOMAScript.def%
531     <TU-DD>         title-TU-DD.def%
532     <TU-HH>         title-TU-HH.def%
533     <Markus & 1>     title-Markus-1.def%
534     <Markus & 2>     title-Markus-2.def%
535     <Spacer>        title-Spacer.def%
536     <KIT>           title-KIT.def%
537     <JT-Aufsaetze>   title-JT-Aufsaetze.def%
538     <JT-Geschichte> title-JT-Geschichte.def%

```

```

539 <JT-Typography>      title-JT-Typography.def%
540  }%
541   \fi
542 \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.

```

543 \DefineFamilyMember[%
544 <DHBW> DHBW%
545 <KOMAScript> KOMAScript%
546 <TU-DD> TU-DD%
547 <TU-HH> TU-HH%
548 <Markus & 1> Markus-1%
549 <Markus & 2> Markus-2%
550 <Spacer> Spacer%
551 <KIT> KIT%
552 <JT-Aufsaetze> JT-Aufsaetze%
553 <JT-Geschichte> JT-Geschichte%
554 <JT-Typography> JT-Typography%
555 ]{title}

```

Nevertheless some style has their own switches:

blackborder *Trauerwand* at style TU-DD:

```

556 <TU-DD>\FamilyBoolKey[TU-DD]{title}{blackborder}{blackborder}

```

final Style TU-HH distinguishes between drafts and final thesis.

```

557 <TU-HH>\FamilyBoolKey[TU-HH]{title}{final}{final}

```

rulewidth Some styles have some variable rules at the title:

```

\ttitle@rulewidth 558 <*Spacer | JT-Aufsaetze | JT-Geschichte | Markus & 2>
rulesep 559 \providecommand*\ttitle@rulewidth{%
\ttitle@rulesep 560 <Spacer | Markus & 2> 0pt%
561 <JT-Aufsaetze | JT-Geschichte> .25\textwidth
562 }
563 \providecommand*\ttitle@rulesep{%
564 <Spacer | Markus & 2> \ifdim \ttitle@rulewidth>\z@ 10pt\else \z@\fi
565 <JT-Aufsaetze | JT-Geschichte> 1.5pt%
566 }
567 \DefineFamilyKey[%
568 <Markus & 2> Markus-2%
569 <JT-Aufsaetze> JT-Aufsaetze%
570 <JT-Geschichte> JT-Geschichte%
571 <Spacer> Spacer%
572 ]{title}{rulewidth}{%
573 \gdef\ttitle@rulewidth{\dimexpr #1\relax}%
574 }
575 \DefineFamilyKey[%
576 <Markus & 2> Markus-2%

```

```

577 <JT-Aufsaetze> JT-Aufsaetze%
578 <JT-Geschichte> JT-Geschichte%
579 <Spacer> Spacer%
580 ]{title}{rulesep}{%
581 \gdef\ttitle@rulesep{\dimexpr #1\relax}%
582 }
583 </Spacer | JT-Aufsaetze | JT-Geschichte | Markus & 2>

```

An some has their own terms:

```

\presentationinformationTUHH
\presentationinformationDHBW 584 <*DHBW>
\presentationinformationKIT 585 \providecommand*{\presentationinformationDHBW}{%
586   for the \examinationname{} of\ [.5\baselineskip]
587   \@degree\ [0pt plus 1fill]
588   of \@discipline\ [.5\baselineskip]
589   at the \@university{} \@place\
590 }
591 \NowButAfterBeginDocument{%
592   \providecaptionname{english}{\presentationinformationDHBW}{%
593     for the \examinationname\ [.5\baselineskip]
594     \@degree\ [0pt plus 1fill]
595     of degree course \@discipline\ [.5\baselineskip]
596     at the \@university\if\@place\@empty\else\space\@place\fi
597   }%
598   \providecaptionname{german}{\presentationinformationDHBW}{%
599     f\"ur die \examinationname{} zum\ [.5\baselineskip]
600     \@degree\ [0pt plus 1fill]
601     des Studienganges \@discipline\ [.5\baselineskip]
602     an der \@university{}\if\@place\@empty\else\space\@place\fi
603   }%
604   \providecaptionname{ngerman}{\presentationinformationDHBW}{%
605     f\"ur die \examinationname{} zum\ [.5\baselineskip]
606     \@degree\ [0pt plus 1fill]
607     des Studienganges \@discipline\ [.5\baselineskip]
608     an der \@university{}\if\@place\@empty\else\space\@place\fi
609   }%
610 }
611 </DHBW>
612 <*TU-HH>
613 \providecommand*{\presentationinformationTUHH}{%
614   \iffinal Of the \else The \fi Graduation Committee of the\
615   \@university\ [.5ex]
616   to the Acquisition of the Academic Degree\ [.5ex]
617   \@degree\ [.5ex]
618   \iffinal approved \else submitted \fi \@subject}
619 \NowButAfterBeginDocument{%
620   \providecaptionname{english}{\presentationinformationTUHH}{%
621     \iffinal Of the \else The \fi Graduation Committee of the\
622     \@university\ [.5ex]

```

```

623 to the Acquisition of the Academic Degree\\[.5ex]
624 \@degree\\[.5ex]
625 \iffinal approved \else submitted \fi\@subject}
626 \providecaptionname{german}{\presentationinformationTUHH}{%
627 \iffinal Vom \else Dem \fi Promotionsausschuss der\\
628 \@university\\[.5ex]
629 zur Erlangung des akademischen Grades\\[.5ex]
630 \@degree\\[.5ex]
631 \iffinal genehmigte \else vorgelegte \fi\@subject}%
632 \providecaptionname{ngerman}{\presentationinformationTUHH}{%
633 \iffinal Vom \else Dem \fi Promotionsausschuss der\\
634 \@university\\[.5ex]
635 zur Erlangung des akademischen Grades\\[.5ex]
636 \@degree\\[.5ex]
637 \iffinal genehmigte \else vorgelegte \fi\@subject}%
638 }
639 </TU-HH>
640 <*KIT>
641 \providecommand*{\presentationinformationKIT}{%
642 At the \@faculty\\
643 \strut\ignorespaces\@chair\\
644 }
645 \NowButAfterBeginDocument{%
646 \providecaptionname{english}{\presentationinformationKIT}{%
647 At the \@faculty\\
648 \strut\ignorespaces\@chair\\
649 }%
650 \providecaptionname{german}{\presentationinformationKIT}{%
651 An der \@faculty\\
652 \strut\ignorespaces\@chair\\
653 }%
654 \providecaptionname{ngerman}{\presentationinformationKIT}{%
655 An der \@faculty\\
656 \strut\ignorespaces\@chair\\
657 }%
658 }
659 </KIT>

\KITlongname
\fromname 660 <*KIT>
\refereename 661 \NowButAfterBeginDocument{%
\KITurl 662 \providecaptionname{english}{\KITlongname}{%
663 University of the State of Baden-W\"urttemberg and National Research Center
664 of the Helmholtz Association%
665 }%
666 \providecaptionname{german}{\KITlongname}{%
667 Universit\"at des Landes Baden-W\"urttemberg und nationales
668 Forschungszentrum in der Helmholtz-Gemeinschaft
669 }%

```

```

670 \providecaptionname{ngerman}{\KITlongname}{%
671   Universit\at des Landes Baden-W\urttemberg und nationales
672   Forschungszentrum in der Helmholtz-Gemeinschaft
673 }%
674 \scr@ifundefinedorrelax{captionseenglish}{}{%
675   \renewcaptionname{english}{\fromname}{of}%
676   \renewcaptionname{english}{\refereename}{Reviewer}%
677 }%
678 }
679 \newcommand*{\KITurl}{www.kit.edu}
680 </KIT>

```

While style initialization, something may change:

```

681 \renewcommand*{\inittitle}{%
  style KOMAScript redefines some footnote macros:
682 <*KOMAScript>
683 \let\footnotesize\small
684 \let\footnoterule\relax
685 \let\footnote\thanks
686 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
687 \let\@oldmakefnmark\@makefnmark
688 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
689 </KOMAScript>
  styles DHBW, TU-DD, TU-HH, and KIT sets some variable if not already done
690 <*DHBW | TU-DD | TU-HH | KIT>
691 \ifx\@university\@empty
692   \university{%
693     <DHBW>      Dualen Hochschule%
694     <TU-DD>     Technische\nobreakspace Universit\at\nobreakspace Dresden%
695     <TU-HH>     Technische\nobreakspace Universit\at\nobreakspace
696     <TU-HH>     Hamburg-Harburg%
697     <KIT>      KIT -- \KITlongname
698   }%
699 \fi
700 \ifx\@place\@empty
701   \place{%
702     <DHBW>      Baden-W\urttemberg%
703     <TU-DD>     Dresden%
704     <TU-HH>     Hamburg%
705     <KIT>      Karlsruhe%
706   }
707 \fi
708 <*DHBW>
709 \ifx\@mainlogo\@empty
710   \IfFileExists{DHBW_d_MOS_195x95_rgb_300.jpg}{%
711     \scr@ifundefinedorrelax{includegraphics}{%
712       \if@atdocument\else\RequirePackage{graphicx}\fi
713     }{}%

```



```

714     \scr@ifundefinedorrelax{includegraphics}{\{%
715         \mainlogo{%
716             \includegraphics[width=57mm,height=27mm]{%
717                 {DHBW_d_MOS_195x95_rgb_300.jpg}%
718             }%
719         }%
720     }{\}%
721 \fi
722 \ifx\@titlehead\@empty
723     \titlehead{\hspace*\fill}\@mainlogo}%
724 \fi
725 \ifx\@titlepagefont\@empty
726     \renewcommand*\@titlepagefont{\normalfont\sffamily}%
727 \fi
728 </DHBW>
729 <*KIT>
730 \ifx\@homepage\@empty
731     \homepage{\KITurl}%
732 \fi
733 \ifx\@mainlogo\@empty
734     \IfFileExists{KITLogo_RGB.pdf}{%
735         \scr@ifundefinedorrelax{includegraphics}{%
736             \if@atdocument\else\RequirePackage{graphicx}\fi
737         }{\}%
738         \scr@ifundefinedorrelax{includegraphics}{\{%
739             \mainlogo{%
740                 \includegraphics[width=40mm,height=18.5mm]{KITLogo_RGB}%
741             }%
742         }%
743     }{\}%
744 \fi
745 \ifx\@titlehead\@empty
746     \titlehead{\@mainlogo\hspace*\fill}}%
747 \fi
748 \ifx\@titlepagefont\@empty
749     \renewcommand*\@titlepagefont{\usefont{T1}{phv}{m}{n}}%
750 \fi
751 </KIT>
752 </DHBW | TU-DD | TU-HH | KIT>

```

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

```

753 <*Markus & 2>
754 \def\ps@maintitle{%
755     \ps@empty
756     \def\@oddhead{%
757         \parbox[b][\headheight][b]{\hsize}\@titlepagefont{%
758             \csname @titlehead\endcsname}}%
759     }%
760     \let\@evenhead\@oddhead
761 }%

```

```

762 </Markus & 2>
      styles JT-Aufsätze and JT-Geschichte set some font defaults:
763 <*JT-Aufsätze | JT-Geschichte>
764   \ifx\@titlepagefont\@empty
765 <JT-Aufsätze>   \renewcommand*{\@titlepagefont}{\normalfont\Huge\itshape}%
766 <*JT-Geschichte>
767   \scr@ifundefinedorrelax{lsstyle}{%
768     \renewcommand*{\@titlepagefont}{\normalfont\let\@tpf@extra\scshape}%
769   }{%
770     \renewcommand*{\@titlepagefont}{%
771       \normalfont\def\@tpf@extra{lsstyle\MakeUppercase}%
772     }%
773   }
774 </JT-Geschichte>
775   \fi
776   \ifx\titlefont\@empty
777     \renewcommand*{\titlefont}{\normalfont}%
778   \fi
779 </JT-Aufsätze | JT-Geschichte>
780 <*JT-Typography>
781   \ifx\@titlepagefont\@empty
782     \renewcommand*{\@titlepagefont}{\normalfont\sffamily\bfseries}%
783   \fi
784 </JT-Typography>
785 }

```

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

```

786 <KOMAScript>\providecommand*\publishers{\publisher}

```

\makemaintitle This differs from style to style:

```

787 \renewcommand*\makemaintitle{%
788   \begin{%
789 <DHBW | TU-DD | TU-HH | KIT>      fullsizetitle}
790 <KOMAScript | Markus | Spacer | JT-Aufsätze | JT-Geschichte | JT-Typography>  titlepage}
791   \setlength{\parskip}{\z@}%
792   \setlength{\parindent}{\z@}%
793   \setlength{\parfillskip}{\z@ plus 1fil}%
794   \linespread{1}\selectfont
795   \@titlepagefont
796 <*DHBW>
797   \vspace*{12mm}%
798   \centering
799   \begin{minipage}[t][\dimexpr\vspace-36mm\relax]{\dimexpr\hsize-40mm\relax}%
800     \@titlehead\par
801     \centering
802     \Large
803     \vfill
804     {\titlefont{\Large\@title}}\par

```

```

805      \vfill
806      {\subject@font{\Large \@subject\par}}}%
807      \vfill
808      \presentationinformationDHBW\par
809      \vfill
810      \fromname\[\.5\baselineskip]
811      \@author\par
812      \vfill
813      \@date\par
814      \vfill
815      \begin{tabular}{*2{p{.5\dimexpr\linewidth-3\tabcolsep\relax}}@{}}
816          \durationname & \@duration \[\.5ex]
817          \matriculationnumbername, \coursename & \@matriculationnumber,
818          & \@course\[\.5ex]
819          \companyname & \@company \[\.5ex]
820          \advisorname{} \ofthename{} \companyname & \@advisor \[\.5ex]
821          \refereename{} \ofthename{} \@university & \@referee
822      \end{tabular}
823      \end{minipage}
824      </DHBW>
825      <*KOMAScript>
826      \ifx\@titlehead\@empty \else
827          \begin{minipage}[t]{\textwidth}%
828              \@titlehead
829          \end{minipage}\par
830      \fi
831      \null\vfill
832      \begingroup
833          \centering
834          \ifx\@subject\@empty \else
835              {\subject@font{\@subject \par}}}%
836              \vskip 3em
837          \fi
838          {\titlefont{\huge \@title\par}}}%
839          \vskip 1em
840          {\ifx\@subtitle\@empty\else\@subtitlefont{\@subtitle}\par\fi}%
841          \vskip 2em
842          {\Large \lineskip 0.75em
843              \begin{tabular}[t]{c}
844                  \@author
845              \end{tabular}\par
846          }%
847          \vskip 1.5em
848          {\Large \@date \par}%
849          \vskip \z@ \@plus3fill
850          {\Large \@publisher \par}%
851          \vskip 3em
852      \endgroup
853      \@thanks

```

```

854 \vfill\null\vskip-\baselineskip
855 </KOMAScript>
856 <*TU-DD>
857 \rule{0pt}{5mm}\par
858 \ifblackborder
859 \leavevmode\hskip 1cm
860 \setlength{\fboxrule}{1pt}%
861 \expandafter\fbox
862 \else
863 \expandafter\mbox
864 \fi
865 {%
866 \begin{minipage}[t][\dimexpr\textheight-2.5cm\relax][t]{%
867 \dimexpr\linewidth\ifblackborder-3cm\fi\relax}
868 \sffamily
869 \centering
870 \vskip 3cm
871 {\fontsize{28pt}{34pt}\selectfont
872 \strut\ignorespaces\@university\unskip\strut\\}
873 {\fontsize{24pt}{28pt}\selectfont
874 \strut\ignorespaces\@faculty\unskip\strut\\}
875 {\fontsize{20pt}{24pt}\selectfont
876 \strut\ignorespaces\@chair\unskip\strut\\
877 \strut\ignorespaces\@professor\unskip\strut\\
878 \vfill
879 {\bfseries\strut\ignorespaces\@title\unskip\strut\\}
880 \strut\ignorespaces\@subject\unskip\strut\\
881 \vfill
882 \raggedright
883 \hspace*{.25\linewidth}%
884 \strut\ignorespaces\presentedbyname\unskip\strut\\
885 \hspace*{.25\linewidth}\quad
886 \begin{tabular}{@{}l@{}}
887 \strut\ignorespaces\@author\unskip\strut\\
888 \strut\ignorespaces\@discipline\unskip\strut\\
889 \strut\ignorespaces\@matriculationnumber\unskip\strut\\
890 \end{tabular}\\
891 \vskip\baselineskip
892 \hspace*{.25\linewidth}%
893 \strut\ignorespaces\advisorname\unskip:\strut\\
894 \hspace*{.25\linewidth}\quad
895 \begin{tabular}{@{}l@{}}
896 \strut\ignorespaces\@advisor\unskip\strut\\
897 \end{tabular}
898 \vskip2\baselineskip
899 \hspace*{.25\linewidth}%
900 \strut\ignorespaces\@place,\nobreakspace\thename\nobreakspace\@date
901 \par}
902 \vspace*{5mm}

```

```

903     \end{minipage}
904 }%
905 </TU-DD>
906 <*TU-HH>
907     \sffamily
908     \centering
909     \vspace{5cm}
910     {\LARGE\bfseries\strut\ignorespaces\@title\\}
911     {\Large\strut\ignorespaces\@subtitle\\}
912     \vspace{2.5cm}
913     {\Large\presentationinformationTUHH\\}
914     \vspace{2.5cm}
915     {\Large\strut\ignorespaces\fromname\\
916       \strut\ignorespaces\@author\\}
917     \vspace{2.5cm}
918     {\Large\strut\ignorespaces\fromplacename\\
919       \strut\ignorespaces\@place\\}
920     \vspace{2.5cm}
921     {\Large\@date}
922 </TU-HH>
923 <*Markus & 1>
924     \raggedright
925     {\subject@font{%
926       \large\strut\ignorespaces\@subject\par\vskip 2\baselineskip}}%
927     {\titlefont{\LARGE\strut\ignorespaces\@title\par}}%
928     {\@subtitlefont{%
929       \large\vskip.5\baselineskip\strut\ignorespaces\@subtitle\par}}%
930     \vfill
931     {\cscname @datefont\endcscname{\large\strut\ignorespaces\@date\par}}%
932 </Markus & 1>
933 <*Spacer | Markus & 2>
934     \raggedright
935 <Markus & 2>     \thispagestyle{maintitle}%
936     \raisebox{0pt}[\ht\strutbox][\dimexpr\textheight-\ht\strutbox\relax]{%
937       \rule[\dimexpr-.667\headsep-\textheight\relax]
938         {\title@rulewidth}
939         {\dimexpr\textheight+2\headsep\relax}\kern\title@rulesep}%
940     \parbox[t][\textheight][t]
941       {\dimexpr \textwidth-\title@rulewidth-\title@rulesep\relax}{%
942       \raggedright
943 <*Spacer>
944     \ifx\@titlehead\@empty\else
945
946       \raisebox{\dimexpr\ht\strutbox-\totalheight\relax}{%
947         \parbox[t]{\linewidth}{\@titlehead}%
948       }\par
949       \vskip 2\baselineskip
950     \fi
951 </Spacer>
952     {\leavevmode\subject@font{%

```

```

952         \large\strut\ignorespaces\@subject\par\vskip 2\baselineskip}}%
953     {\def\and{\}\csname @authorfont\endcsname{\large\@author}\par
954         \vskip .5\baselineskip}}%
955     {\titlefont{\LARGE\strut\ignorespaces\@title\par}}%
956     {\@subtitlefont{%
957         \large\vskip.5\baselineskip\strut\ignorespaces\@subtitle\par}}%
958     \vfill
959     {\csname @publisherfont\endcsname{\large\@publisher\par}}%
960     {\csname @datefont\endcsname{\large\strut\ignorespaces\@date\par}}%
961     }%
962 </Spacer | Markus & 2>
963 <*KIT>
964     \setlength{\unitlength}{1mm}%
965     \begin{picture}(0,0)
966         \put(15,-12){%
967             \line(1,0){\dimexpr\paperwidth-37mm\relax\@gobble}%
968         }%
969         \put(\dimexpr\paperwidth-22mm\@gobble,-19){\oval(14,14)[rt]}%
970         \put(\dimexpr\paperwidth-15mm\@gobble,-19){%
971             \line(0,-1){\dimexpr\paperheight-37mm\relax\@gobble}%
972         }%
973         \put(22,-\dimexpr\paperheight-18mm\relax\@gobble){%
974             \line(1,0){\dimexpr\paperwidth-37mm\relax\@gobble}%
975         }%
976         \put(22,-\dimexpr\paperheight-25mm\relax\@gobble){\oval(14,14)[lb]}%
977         \put(15,-\dimexpr\paperheight-25mm\relax\@gobble){%
978             \line(0,1){\dimexpr\paperheight-37mm\relax\@gobble}%
979         }%
980     \end{picture}\par
981     \vskip\dimexpr -\baselineskip+25mm\relax
982     \hspace*{27mm}%
983     \begin{minipage}[t][\dimexpr\paperheight-68mm\relax][t]
984         {\dimexpr\paperwidth-54mm\relax}
985         \raggedright\@titlehead\par
986         \centering
987         \vskip 25mm
988         {\@titlepagefont\@title\par}%
989         \vskip 20mm
990         {\Large\@subject\\\fromname\par}
991         \vskip 1cm
992         {\huge\@author\par}
993         \vskip 1cm
994         {\Large\presentationinformationKIT\par}
995         \vskip 2cm
996         {\Large
997             \let\@tempa\refereename
998             \def\@tempb{1}%
999             \def\and{%
1000                 \\\

```

```

1001         \xdef\@tempb{\the\numexpr\@tempb+1\relax}%
1002         \expandafter\ordinal\expandafter{\@tempb}\@tempa: &
1003     }%
1004     \begin{tabular}{@{}lr@{}}
1005         \refereename: & \@referee \\
1006         \global\let\@tempa\advisorname\xdef\@tempb{1}%
1007         \advisorname: & \@advisor \\
1008     \end{tabular}\par
1009 }
1010 \vfill
1011 {\large \durationname: \@duration\par}
1012 \end{minipage}
1013 \vskip 35mm
1014 \hspace*{27mm}\makebox[\dimexpr\paperwidth-56mm\relax]{%
1015     \tiny\@university\hfill\large\textbf{\@homepage}%
1016 }%
1017 </KIT>
1018 <*JT-Aufsätze>
1019     \centering
1020     \@author\\
1021     \begin{picture}(\title@rulewidth\@gobble,
1022         \dimexpr .3ex+1pt+\title@rulesep\relax\@gobble)
1023         \put(0,\dimexpr .15ex+.5pt+\title@rulesep\relax\@gobble){%
1024             \linethickness{.3ex}\line(1,0){\title@rulewidth\@gobble}%
1025         }%
1026         \put(0,0){%
1027             \linethickness{1pt}\line(1,0){\title@rulewidth\@gobble}%
1028         }%
1029     \end{picture}\\[\baselineskip]
1030     {\titlefont{\@title\par}}%
1031     \vfill
1032     \@publisher
1033 </JT-Aufsätze>
1034 <*JT-Geschichte>
1035     \centering
1036     \large{\@tpf@extra{\@author\unskip\strut}}\\[\dp\strutbox]
1037     {\titlefont{\Huge\@title\par}}
1038     \vfill
1039     \begin{picture}(\title@rulewidth\@gobble,
1040         \dimexpr 4pt+1pt+\title@rulesep\relax\@gobble)
1041         \put(0,\dimexpr 2pt+.5pt+\title@rulesep\relax\@gobble){%
1042             \linethickness{1pt}\line(1,0){\title@rulewidth\@gobble}%
1043         }%
1044         \put(0,0){%
1045             \linethickness{4pt}\line(1,0){\title@rulewidth\@gobble}%
1046         }%
1047     \end{picture}\\[\dp\strutbox]
1048     \@tpf@extra{\@publisher}%
1049     \ifx\@place\@empty\else

```

```

1050      \unskip\@tpf@extra{\strut}\[\dp\strutbox]\@tpf@extra{\@place}%
1051      \fi
1052 </JT-Geschichte>
1053 <*JT-Typography>
1054      \raggedright
1055      {\Large\MakeUppercase{\@author}\[\baselineskip]}
1056      {\titlefont{\Huge\MakeUppercase{\@title}\unskip\strut\}}
1057      {\@subtitlefont{\normalsize\MakeUppercase{\@subtitle}\}}
1058      \vfill
1059      {\normalsize\MakeUppercase{\@place}\ifx\@place\@empty\else\enskip\fi
1060       {\LARGE\MakeUppercase{\@date}}
1061       \ifx\@publisher\@empty\else\unskip\strut\[\1.5\baselineskip]
1062       \MakeUppercase{\@publisher}%
1063      \fi}
1064 </JT-Typography>
1065      \end{%
1066 <DHBW | TU-DD | TU-HH | KIT>      fullsizetitle}
1067 <KOMAScript | Markus | Spacer | JT-Aufsaetze | JT-Geschichte | JT-Typography>      titlepage}
1068 }

```

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
\uppertitleback 1069 <*KOMAScript | Markus | Spacer>
\@uppertitleback 1070 \providecommand*\@uppertitleback{}{}
  lowertitleback 1071 \providecommand{\uppertitleback}[1]{\gdef\@uppertitleback{#1}}
  \lowertitleback 1072 \DefineFamilyKey[%
\@lowertitleback 1073 <KOMAScript>      KOMAScript%
1074 <Markus & 1>      Markus-1%
1075 <Markus & 2>      Markus-2%
1076 <Spacer>      Spacer%
1077 <JT-Aufsaetze>      JT-Aufsaetze%
1078 <JT-Geschichte>      JT-Geschichte%
1079 <JT-Geschichte>      JT-Typography%
1080 ]{title}{uppertitleback}{\uppertitleback{#1}}
1081 \providecommand*\@lowertitleback{}{}
1082 \providecommand{\lowertitleback}[1]{\gdef\@lowertitleback{#1}}
1083 \DefineFamilyKey[%
1084 <KOMAScript>      KOMAScript%
1085 <Markus & 1>      Markus-1%
1086 <Markus & 2>      Markus-2%
1087 <Spacer>      Spacer%
1088 <JT-Aufsaetze>      JT-Aufsaetze%
1089 <JT-Geschichte>      JT-Geschichte%
1090 <JT-Geschichte>      JT-Typography%
1091 ]{title}{lowertitleback}{\lowertitleback{#1}}
1092 </KOMAScript | Markus | Spacer>

```


`\makemaintitleback` Only some of the styles define this:

```

1093 <*KOMAScript | Markus | Spacer | JT-Aufsätze | JT-Geschichte | JT-Typography>
1094 \renewcommand*{\makemaintitleback}{%
1095   \begin{titlepage}
1096     \begin{minipage}[t]{\textwidth}
1097       \@titlepagefont{\@uppertitleback}%
1098     \end{minipage}\par
1099     \vfill
1100     \begin{minipage}[b]{\textwidth}
1101       \@titlepagefont{\@lowertitleback}%
1102     \end{minipage}
1103   \end{titlepage}
1104 }
1105 </KOMAScript | Markus | Spacer | JT-Aufsätze | JT-Geschichte | JT-Typography>
1106 <*TU-HH>
1107 \renewcommand*{\makemaintitleback}{%
1108   \begin{titlepage}
1109     \vspace*{\fill}
1110     \iffinal
1111       \@tempcnta\z@
1112       \def\and{%
1113         \par\advance\@tempcnta by\@ne
1114         \@hangfrom{%
1115           \expandafter\ordinal\expandafter{\the\@tempcnta}~\refereename:\enskip
1116         }%
1117       }\and\@referee
1118     \fi
1119     \vskip 1cm
1120     \iffinal
1121       \@hangfrom{\oralexaminationdatename:\enskip}{\@oralexaminationdate}%
1122     \fi
1123   \end{titlepage}
1124 }
1125 </TU-HH>

```

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
\extratitle 1126 <*KOMAScript | Markus & 2 | Spacer | JT-Aufsätze | JT-Geschichte | JT-Typography>
\@extratitle 1127 \providecommand*{\@extratitle}{}
1128 \providecommand{\extratitle}[1]{\gdef\@extratitle{#1}}
1129 \DefineFamilyKey[%
1130 <KOMAScript> KOMAScript%
1131 <Markus & 2> Markus-2%
1132 <Spacer> Spacer%
1133 <JT-Aufsätze> JT-Aufsätze%
1134 <JT-Geschichte> JT-Geschichte%
1135 <JT-Typography> JT-Typography%

```

```

1136 ]{title}{extratitle}{\extratitle{#1}}
1137 </KOMAScript | Markus & 2 | Spacer | JT-Aufsätze | JT-Geschichte | JT-Typography>

\makeprettitle Only some styles have pre titles:
\makeprettitleback 1138 <*KOMAScript | Markus & 2 | Spacer | JT-Aufsätze | JT-Geschichte | JT-Typography>
1139 \renewcommand*{\makeprettitle}{%
1140 \ifx\@extratitle\@empty\else
1141 \begin{titlepage}
1142 \noindent\@extratitle
1143 \end{titlepage}
1144 \fi
1145 }%
1146 </KOMAScript | Markus & 2 | Spacer | JT-Aufsätze | JT-Geschichte | JT-Typography>
1147 <*Markus & 1>
1148 \renewcommand*{\makeprettitle}{%
1149 \ifx\@publisher\@empty\else
1150 \begin{titlepage}
1151 \raggedleft
1152 {\@titlepagefont{%
1153 \large\strut\ignorespaces\@publisher\par}}%
1154 \end{titlepage}
1155 \fi
1156 }
1157 </Markus & 1>
1158 <*KOMAScript | Markus & 2 | Spacer | JT-Aufsätze | JT-Geschichte | JT-Typography>
1159 \renewcommand*{\makeprettitleback}{%
1160 \ifx\@extratitle\@empty\else\begin{titlepage}\null\end{titlepage}\fi
1161 }
1162 </KOMAScript | Markus & 2 | Spacer | JT-Aufsätze | JT-Geschichte | JT-Typography>
1163 <*Markus & 1>
1164 \renewcommand*{\makeprettitleback}{%
1165 \ifx\@author\@empty\else
1166 \ifx\@publisher\@empty\begin{titlepage}\end{titlepage}\fi
1167 \begin{titlepage}
1168 \raggedleft
1169 {\@titlepagefont{%
1170 \large\null\vskip 2\baselineskip
1171 \LARGE\strut{\def\and{\hspace{1em}}\linebreak[3]}}%
1172 \csname @authorfont\endcsname{\large\ignorespaces\@author}\par}}%
1173 \end{titlepage}
1174 \fi
1175 }
1176 </Markus & 1>

\makeposttitle And only some styles provides one more title page with dedication.
\makeposttitleback 1177 <*KOMAScript | Markus | Spacer | JT-Aufsätze | JT-Geschichte | JT-Typography>
1178 \renewcommand*{\makeposttitle}{%
1179 \ifx\@dedication\@empty\else
1180 \begin{titlepage}

```

```

1181      \null\vfill
1182      {\centering\csname @dedicationfont\endcsname{\@dedication \par}}%
1183      \vskip \z@ \@plus 3fill
1184    \end{titlepage}
1185  \fi
1186 }
1187 \renewcommand*{\makeposttitleback}{%
1188   \ifx\@dedication\@empty\else\begin{titlepage}\null\end{titlepage}\fi
1189 }
1190 </KOMAScript | Markus | Spacer | JT-Aufsätze | JT-Geschichte | JT-Typography>

```

4.4 The Examples and the Manual

```

1191 \documentclass[a4paper,pagesize]{scrbook}
1192 \usepackage[utf8]{inputenc}
1193 \usepackage[ngerman]{babel}
1194 \usepackage[T1]{fontenc}
1195 \usepackage{lmodern}
1196 <JT-Geschichte>\usepackage{microtype}
1197 <TU-HH | TU-DD>\usepackage{mathpazo}
1198 <TU-HH | TU-DD>\usepackage[scaled]{helvet}
1199 <DHBW | Spacer | KIT>\usepackage[demo]{graphicx}% remove option demo if you have th
1200 \usepackage{xcolor}
1201 <JT-Geschichte | JT-Typography>\colorlet{RED}{red}% because of \MakeUppercase{\textco
1202 \usepackage{titlepage}
1203 \begin{document}
1204 <*DHBW>
1205 \TitlePageStyle{DHBW}
1206 \makeatletter\providecommand*{\@titlepagefont}{\normalfont\sffamily}\makeatother
1207 \setkomafont{subject}{\sffamily\bfseries}
1208 \maketitle[%
1209   titlefont=\sffamily,
1210   mainlogo=\textcolor{red}{\{\%
1211     % You may add a company logo here!
1212     % NOTE: The original logo has a large white border!
1213     \includegraphics[width=57mm,height=27mm]{
1214       {DHBW_d_MOS_195x95_rgb_300.jpg}%
1215   \}},
1216   % You may additionally change titlehead. The original definition of
1217   % titlehead is:
1218   titlehead={\hspace*{\fill}\usetitleelement{mainlogo}},
1219   title=\textcolor{red}{Bachelorarbeitsthema},
1220   subject=\textcolor{red}{BACHELORARBEIT},
1221   degree=\textcolor{red}{Bachelor of Engineering},
1222   discipline=\textcolor{red}{Studiengang},
1223   place={Baden-Württemberg \textcolor{red}{Stadt}},
1224   student=\textcolor{red}{Vorname Nachname},
1225   duration=\textcolor{red}{12 Wochen},
1226   matriculationnumber=\textcolor{red}{Matrikelnummer},

```

```

1227 course=\textcolor{red}{Kurskürzel},
1228 company=\textcolor{red}{Firmenname, Stadt},
1229 advisor=\textcolor{red}{Titel Vorname Nachname},
1230 referee=\textcolor{red}{Titel Vorname Nachname},
1231 date=\textcolor{red}{Abgabedatum}
1232 ]
1233 </DHBW>
1234 <*TU-DD>
1235 \TitlePageStyle{TU-DD}
1236 \maketitle[%
1237 title=\textcolor{red}{Titel im Stil \texttt{TU-DD}},
1238 university=\textcolor{red}{%
1239 Technische\nobreakspace Universit\at\nobreakspace Dresden},%
1240 faculty=\textcolor{red}{Fakultät Wirtschaftswissenschaften},
1241 chair=\textcolor{red}{SAP-Stiftungslehrstuhl für\
1242 Entrepreneurship und Innovation},
1243 professor=\textcolor{red}{Prof.\,Dr.\,Michael Schefcyk},
1244 % subject=diploma, % one of: project, seminar, studentresearch,
1245 % % diploma, degree, master, bachelor, or ...
1246 subject=\textcolor{red}{Seminararbeit\\(bzw. Diplomarbeit)},% ... direct value
1247 student=\textcolor{red}{Vorname und Name},
1248 discipline=\textcolor{red}{Studienrichtung},
1249 matriculationnumber=\textcolor{red}{Matrikel-Nr.},
1250 advisor=\textcolor{red}{(mit akadem. Grad, Vor- und Zuname)},
1251 date=\textcolor{red}{(Datum der Abgabe)}
1252 ]
1253
1254 \TitleOptions{pagenumber=1,blackborder}% same with 'Trauerrand'
1255 \maketitle% everything else, like above
1256 </TU-DD>
1257 <*KOMAScript>
1258 \TitlePageStyle[pagenumber=1]{KOMAScript}
1259 \maketitle[
1260 extratitle=\textcolor{red}{Das ist ein Schmutztitel im Stil \texttt{KOMAScript}},
1261 titlehead=\textcolor{red}{Den Kopfbereich kann man auf diese Weise füllen.},
1262 subject=\textcolor{red}{Eine Klassifizierung der Arbeit},
1263 title=\textcolor{red}{Titel im Stil \texttt{KOMAScript}},
1264 subtitle=\textcolor{red}{Untertitel},
1265 publisher=\textcolor{red}{Einen Verlag kann man ebenfalls angeben},
1266 uppertitleback=\textcolor{red}{Oberer Bereich der Rückseite des Haupttitels im
1267 \texttt{KOMAScript}.},
1268 lowertitleback=\textcolor{red}{Unterer Bereich der Rückseite des Haupttitels im
1269 \texttt{KOMAScript}.},
1270 dedication=\textcolor{red}{Eine Widmung im Stil \texttt{KOMAScript}}
1271 ]
1272 </KOMAScript>
1273 <*TU-HH>
1274 \TitlePageStyle[pagenumber=1]{TU-HH}
1275 \maketitle[%

```

```

1276 final,
1277 title=\textcolor{red}{Titel im Stil \texttt{TU-HH}},
1278 university=\textcolor{red}{Technischen Universität Hamburg-Harburg},
1279 subject=degree,
1280 degree=\textcolor{red}{Doktor der Naturwissenschaften (Dr.\,rer.\,nat\,)},
1281 place=\textcolor{red}{(Geburtsort)},
1282 date=\textcolor{red}{(aktuelles Jahr)},
1283 referee=\textcolor{red}{Name des ersten Gutachters\protect\and Name des zweiten
1284 Gutachters},
1285 oralexaminationdate=\textcolor{red}{29. Februar 2009}
1286 ]
1287 </TU-HH>
1288 <*Markus | Spacer>
1289 % Maybe we should define one more option for this:
1290 \setkomafont{subject}{\normalfont\sffamily}% because of KOMA-Script class
1291 \setkomafont{title}{\normalfont\sffamily}% because of KOMA-Script class
1292 <*1>
1293 \TitlePageStyle[pagenunder=1]{Markus-1}
1294 \maketitle[%
1295 titlepagefont={\normalfont\sffamily},% to show is without KOMA-Script class
1296 title=\textcolor{red}{Titel im Stil \texttt{Markus-1}},
1297 subject=\textcolor{red}{Eine Klassifizierung der Arbeit},
1298 subtitle=\textcolor{red}{Untertitel},
1299 publisher=\textcolor{red}{Verlag},
1300 uppertitleback=\textcolor{red}{Oberer Bereich der Rückseite des Haupttitels
1301 im Stil \texttt{Markus-1}.},
1302 lowertitleback=\textcolor{red}{Unterer Bereich der Rückseite des Haupttitels
1303 im Stil \texttt{Markus-1}.},
1304 dedication=\textcolor{red}{Eine Widmung im Stil \texttt{Markus-1}},
1305 author=\textcolor{red}{Markus-Kohm\protect\and Sonst-Jemand}
1306 ]
1307 </1>
1308 <*2 | Spacer>
1309 <2>\TitlePageStyle[pagenunder=1]{Markus-2}
1310 <Spacer>\TitlePageStyle[pagenunder=1]{Spacer}
1311 \maketitle[%
1312 rulewidth=2pt,
1313 extratitle=\textcolor{red}{Das ist ein Schmutztitel im Stil \texttt{%
1314 <2> Markus-2}},
1315 <Spacer> Spacer}},
1316 <*Spacer>
1317 titlehead=\textcolor{red}{\includegraphics{Logo}},
1318 </Spacer>
1319 title=\textcolor{red}{Titel im Stil \texttt{%
1320 <2> Markus-2}},
1321 <Spacer> Spacer}},
1322 subject=\textcolor{red}{Eine Klassifizierung der Arbeit},
1323 subtitle=\textcolor{red}{Untertitel},
1324 publisher=\textcolor{red}{Verlag},

```

```

1325 uppertitleback=\textcolor{red}{Oberer Bereich der Rückseite des Haupttitels
1326     im Stil \texttt{%
1327 <2>         Markus-2}.},
1328 <Spacer>         Spacer}.},
1329 lowertitleback=\textcolor{red}{Unterer Bereich der Rückseite des Haupttitels
1330     im Stil \texttt{%
1331 <2>         Markus-2}.},
1332 <Spacer>         Spacer}.},
1333 dedication=\textcolor{red}{Eine Widmung im Stil \texttt{%
1334 <2>         Markus-2}},
1335 <Spacer>         Spacer}},
1336 author=\textcolor{red}{Markus-Kohm}
1337 ]
1338 </2 | Spacer>
1339 </Markus | Spacer>
1340 <*KIT>
1341 \TitlePageStyle{KIT}
1342 \maketitle[%
1343     mainlogo={\textcolor{red}{%
1344         \includegraphics[width=40mm,height=18.5mm]{KITLogo_RGB}}},%
1345     % You may additionally change titlehead. Original definition of titlehead
1346     % is:
1347     titlehead={\usetitleelement{mainlogo}\hspace*{\fill}},%
1348     title=\textcolor{red}{Titel der Arbeit\\im Stil \texttt{KIT}},%
1349     subject=\textcolor{red}{Klassifizierung der Arbeit},%
1350     author=\textcolor{red}{Markus-Kohm},%
1351     faculty=\textcolor{red}{Fakultät für Informatik},%
1352     chair=\textcolor{red}{%
1353         Institute for Program Structures\\and Data Organization (IPA)}},%
1354     advisor={\textcolor{red}{Titel Vorname Nachname}\and
1355         \textcolor{red}{Titel Vorname Nachname}},%
1356     referee={\textcolor{red}{Titel Vorname Nachname}\and
1357         \textcolor{red}{Titel Vorname Nachname}},%
1358     duration=\textcolor{red}{XX. Monat 20XX -- XX. Monat 20XX},%
1359     university=\textcolor{red}{\KITlongname},%
1360     homepage=\textcolor{red}{\KITurl}%
1361 ]
1362 </KIT>
1363 <*JT-Aufsaetze>
1364 \TitlePageStyle{JT-Aufsaetze}
1365 \maketitle[%
1366     % There are only three official elements:
1367     author={\textcolor{red}{Markus Kohm}},%
1368     title={\textcolor{red}{Titel der Arbeit angelehnt an Jan Tschicholds
1369         ausgewählte Aufsätze über Fragen der Gestalt des Buches und der
1370         Typographie}},
1371     titlefont=\normalfont,% You may change the font of the main title
1372     publisher={\textcolor{red}{Der Verlag}}
1373     % Nevertheless, you may use extratitle, lowertitleback and uppertitleback.

```

```

1374 % See Markus-2 for more information about those.
1375 ]
1376 </JT-Aufsaetze>
1377 <*JT-Geschichte>
1378 \TitlePageStyle{JT-Geschichte}
1379 \maketitle[%
1380 % There are only four official elements:
1381 author={\textcolor{red}{Markus Kohm}},%
1382 title={\textcolor{red}{Titel der Arbeit angelehnt an Jan Tschicholds
1383     Geschichte der Schrift in Bildern}},
1384 titlefont=\itshape,% You may change the font of the main title
1385 publisher={\textcolor{red}{Der Verlag in seiner Langform}},
1386 place={\textcolor{red}{Der Ort}}
1387 % Nevertheless, you may use extratitle, lowertitleback and uppertitleback.
1388 % See Markus-2 for more information about those.
1389 ]
1390 </JT-Geschichte>
1391 <*JT-Typography>
1392 \TitlePageStyle{JT-Typography}
1393 \maketitle[%
1394 % There are only four official elements:
1395 author={\textcolor{red}{Markus Kohm}},%
1396 title={\textcolor{red}{Titel der Arbeit}},
1397 subtitle={\textcolor{red}{angelehnt an the new Typography}},
1398 publisher={\textcolor{red}{Veröffentlicht für einen Verlag oder auch nicht}},
1399 place={\textcolor{red}{Der Ort}},
1400 date={\textcolor{red}{2012}}
1401 % Nevertheless, you may use extratitle, lowertitleback and uppertitleback.
1402 % See Markus-2 for more information about those.
1403 ]
1404 </JT-Typography>
1405 \end{document}

1406 <!*README>
1407 \documentclass{scrdoc}
1408 \usepackage[utf8]{inputenc}
1409 \usepackage[T1]{fontenc}
1410 \usepackage{lmodern}
1411 \usepackage[english]{babel}
1412 \usepackage{longtable,tabu}
1413 \usepackage{graphicx}
1414 \newcommand*{\File}{\let\File\texttt
1415 \CodelineIndex
1416 \RecordChanges
1417 \EnableCrossrefs
1418 \GetFileInfo{titlepage.ltx}
1419 \begin{document}
1420 \title{More Titlepage Styles with Package \File{titlepage}\footnote{This is file
1421     version \fileversion{} of file \File{\filename}.}}
1422 \author{Markus Kohm\footnote{Markus Kohm \textless komascript\textcircled{\tiny

```

```

1423         at}gmx.info\textgreater{}}
1424 \date{\fileversion{}}\footnote{\textbf{Note:} All version below 0.9 are ALPHA
1425     versions. Everything may change. Everything may break. Everything may
1426     happen.} \filedate}
1427 \maketitle
1428 \begin{abstract}
1429 \<!/README>
1430
1431 Creation of title pages is something most authors should not have to do.
1432 But reality is not perfect, so a lot of authors have to do it. In 2009
1433 \<!/README>KOMA started the title page project at \texttt{<http://www.komascript.c
1434 \<README>KOMA started the title page project at <http://www.komascript.de/titlep
1435 to collect real title pages and implement them with a well defined
1436 interface. So changing from one title page style to another would be very
1437 simple. Nevertheless implementation of a new title page style may be still
1438 difficult. But maybe the guys of the title page project would help you. Just
1439 ask!
1440 \<*!README>
1441
1442 Note: To generate all files, you should simply call
1443
1444     pdftex -shell-escape titlepage.dtx
1445
1446 If you are using MiKTeX you have to use
1447
1448     pdftex --enable-write18 titlepage.dtx
1449
1450 to fully enable shell escapes which are also known as \write18 feature.
1451
1452 All ltx files should be installed together with all pdf files at documentation
1453 folder. The sty file together with all def files should be installed at latex
1454 package folder.
1455
1456 But maybe your distributpr already distributes a ready for installation
1457 package, so you do not need to create files and copy them yourself.
1458 \</README>
1459 \<*!README>
1460 \end{abstract}
1461 \DocInput{titlepage.dtx}
1462 \end{document}
1463 \</!README>

```

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