

The `komacv` class*

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April 17, 2017

Abstract

The `komacv` class makes typesetting an attractive CV easy. While it comes with several predefined styles it is still highly customizable. Virtually all settings can be controlled by user commands.

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*This document corresponds to `komacv` v1.1.1, dated 2017/04/17.

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1 Introduction

This class originates from an imitation of the `moderncv` class. Thanks to Xavier Danaux for that fine class! While `komacv` owes a lot to the original code, it does not pretend to be a precise copy and does not intend to keep up with the further development of the `moderncv` class. The original class was taken as an important starting point but it is likely that the further development will take different directions.

While `moderncv` is a stand-alone class, this one is a wrapper class building upon the KOMA-class `scrartcl` (hence the `koma-` in the name of this class). This gives users more flexibility as the page layout is easily adjustable and incompatibilities with other packages are less likely to occur. The incompatibility of the `moderncv` class with the `biblatex` package was actually the main reason for my building the predecessor of this class, the `koma-moderncvclassic` package. Compared with that package, this class offers much more flexibility and customizability, comes with a variety of styles and is extensible (new styles can be added easily).

With `\documentclass{komacv}` at the beginning of your document the commands and environments of both this class and the `scrartcl` class become available.

The variants of the file `komacv_example` which come with this package show exemplarily how a document with `komacv` might be structured and how the typical commands are to be used. They are not intended as examples of good style but as demonstrations of the potential of the `komacv` class. In this documentation all commands and features are explained.

Please note that `komacv` does not (yet?) provide for the possibility of typesetting the covering letter as well.

2 Engines

This class can be run with either X_YTeX, X_YL^ATeX, LuaTeX, LuaL^ATeX or pdfL^ATeX. See also 3.7.

3 In the preamble

3.1 Documentclass options

`komacv` accepts the following key-value pairs as optional arguments of `\documentclass`:

`[xcolor=<value>]`

The value of the key `xcolor` is passed to the `xcolor` package and takes the name of the color spectrum. These are the names of color spectra defined by `xcolor`: `svgnames`, `dvipsnames`, `x11names`. If the option is not set or the key `xcolor` is given without a value, then the default is used which is `x11names`.

`[color=<value>]`

The value of the key `color` is the name of the color to be used in special elements of the document like section and subsection headers of the document (depending on the chosen style). The name is either a base color name (black, blue, green a.s.o.) or a color name according to the chosen color spectra defined by `xcolor` (e.g. `Firebrick2` in `x11names`). See the `xcolor` documentation for a list of valid color names. Color definitions such as `red!75` or `blue!30!green` are also accepted. Yet another possibility is to specify `mycolor` in the preamble (see below). If the color option is given without an argument or not given at all,

`[color=mycolor]`

is assumed as default.

If `mycolor` was not defined, the fallback is `blue` instead of `mycolor`.

`[style=<value>]`

This option loads the style variant. The default is `style=classic`. Other variants currently available are: `casual` and `oldstyle`. Other variants may follow in time, contributions are very welcome! See the example documents to see the different layouts the styles produce.

`\KOMAOptions`

In addition to these `komacv` specific options, all KOMA-options may be used as with the KOMA-classes. They may be given either in the option list of `\documentclass` or with the help of `\KOMAOptions` somewhere in the preamble:

```
\documentclass[<key=value>]{komacv} or
```

```
\KOMAOptions{<key1=value1,key2=value2>}
```

and will be passed to the `scartcl` class (on which the `komacv` class is built).

3.2 Personal data (header and footer)

To specify your personal data set the macros with `\renewcommand`:

```
\renewcommand*{<command>}{<Definition>}, for example:
```

```
\renewcommand*{title}{Curriculum vitae}.
```

`\headline`

With `\headline` you can set – guess what? – a headline for the whole document, either a title (like “Curriculum vitae”) or your name, which may come in handy if you have a very long name that is otherwise being displayed

in an unsatisfying way. The optional argument sets the alignment (l=left, r=right, c=centered). *Example:*

`\headline[l]{name}` sets (by default) your defined firstname and familyname as headline, to the left.

`\headline[c]{title}` sets (by default) “Curriculum vitae” as a centered headline.

If you want to change the defaults, use `\renewcommand\headlinecontent{your text}`.

`\title`

`\firstname`
`\familyname`
`\mobile`
`\phonenr`
`\faxnr`
`\email`
`\homepage`
`\twitter`
`\github`
`\facebook`
`\linkedin`
`\acadtitle`
`\addressstreet`
`\addresscity`
`\extrainfo`
`\cvquote`

`\addtofooter`

`\fsymbol`

The macro `\title` sets nothing in the document itself but is for the pdf document properties only. Note that for this macro special characters (like German umlauts) must be given in the L^AT_EX notation (e. g. `\"a`) even if utf is enabled for the document.

The macros listed beside, if specified, will be used in the head (or foot, depending on the style in use) of your CV. If there are elements you do not wish to appear in your CV just leave the corresponding macros undefined.

The names of the macros are self-explanatory, so I will give just a few hints.

`\acadtitle` expects your academic title(s). `\addressstreet` is for your street or P.O. Box, and `\addresscity` for your city, ZIP Code and possibly your country.

`\extrainfo` takes any arbitrary additional information and will appear at the end of the addressblock (depending on the chosen style).

Put your life motto (or something alike) into `\cvquote`. It will usually appear somewhat separated from the rest of the header.

See below (3.6 and 3.7) how to change the appearance of the information given in these macros.

The header and possibly footer are set with the command `\maketitle` at the beginning of the document.

If you want to create your own footer, define your own pagestyle and call it with `\thispagestyle{mypagestyle}` right after `\maketitle`. The command `\addtofooter[<symbol>]{<text>}` can be used in the new pagestyle definition to add something to the footer. The optional argument expects the symbol to be used as a separator between elements that appear on the same line. If it is omitted `\fsymbol` is used.

For a redefinition of `\fsymbol` use `\renewcommand*\fsymbol{<symbol>}`, for example:
`\renewcommand*\fsymbol{~\textbullet~}`.

3.3 Symbols

`\addresssymbol`
`\phonesymbol`
`\mobilesymbol`
`\faxsymbol`
`\emailsymbol`
`\homepagesymbol`
`\twittersymbol`
`\githubsymbol`
`\facebooksymbol`
`\linkedsymbol`
`\listitemsymbol`

You can change (or set) the symbols (or the string) used before the phone, fax and mobile number, the e-mail address and the homepage with the according macros (see beside) and `\renewcommand`, e. g.

`\renewcommand\phonesymbol{Tel.~}`

In the same way the item symbol in the listitems may be changed with the macro `\listitemsymbol`.

3.4 Picture

<code>\photo</code>	To include a picture into the head of your CV set <code>\photo[<i>frame</i>]{<i><width></i>}{<i><path/pic></i>}</code> in the preamble.
<code>[frame]</code>	With <code>frame</code> as optional argument the picture is set into a frame, by default in the color chosen as document color. See below (3.5, 3.6) how to change the color and the thickness of the frame.
<code>[mframe]</code>	With the <code>classic</code> style, <code>[mframe]</code> (for margin frame) will extend the picture into the right page margin with half its width (or according to the length of <code>\mframepicshift</code> , if defined). With other styles <code>[mframe]</code> is an alias for <code>[frame]</code> .
<code><width></code>	The first mandatory argument takes the width the picture is resized to, all common L ^A T _E X measures may be used.
<code><path/pic></code>	The second mandatory argument takes the name of the picture file. If the picture is not located in the same directory as the document and no <code>\graphicspath</code> was defined, the path to the picture file must be given as well. This argument will be passed to the <code>graphicx</code> package, so all file types that <code>graphicx</code> can handle are allowed (jpg/jpeg, png, pdf).

3.5 Lengths

The following lengths may be changed with the usual L^AT_EX commands `\setlength`, `\addtolength` and `\settowidth`.

<code>\hintscolwidth</code>	The width of the hint column. The default value is <code>0.2\textwidth</code> .
<code>\sepcolwidth</code>	The distance between the hint column and the main column. In <code>\cvdoubleitem</code> and <code>\cvlistdoubleitem</code> this is also the distance between the aligned items, or the aligned pairs of header and item.
<code>\infocolwidth</code>	In <code>oldstyle</code> style the address and possible extra information are presented in the left margin of the width <code>\infocolwidth</code> . Its default value is <code>3.5cm</code> .
<code>\sepinfocolwidth</code>	In <code>oldstyle</code> style the distance between the info column and the main column.
<code>\maincolwidth</code>	The width of the main column in all elements, except for the <code>doubleitem</code> elements.
<code>\dbitemmaincolwidth</code>	Width of each maincolumn where two items are set per line with <code>\cvdoubleitem</code> .
<code>\listitemsymbolwidth</code>	Horizontal space reserved for the symbol in <code>\listitem</code> entries. By default this is the width of <code>\listitemsymbol</code> followed by a nonbreaking space (~).
<code>\listitemmaincolwidth</code>	Width of the maincolumn where <code>\cvlistitem</code> is in use. By default this is the <code>\maincolumnwidth</code> minus <code>\listitemsymbolwidth</code> .
<code>\listdbitemmaincolwidth</code>	Width of each maincolumn where two items are set per line with <code>\cvlistdoubleitem</code> .
<code>\titlesepwidth</code>	Horizontal space between the text information given in the header and the picture (if <code>\photo</code> is set).
<code>\mframepicshift</code>	If a picture is set with the optional argument <code>[mframe]</code> of <code>\photo</code> the picture will be placed partly in the margin. The length <code>\mframepicshift</code> controls how much the picture will be moved to the right (from the right text margin). This works only with the <code>classic</code> style; with other styles <code>\mframepicshift</code> does nothing.

<code>\fboxrule</code>	The thickness of the frame around your picture and the space between the frame and the picture (if <code>\photo</code> is set with either <code>[frame]</code> or <code>[mframe]</code> as optional argument).
<code>\fboxsep</code>	
<code>\quotewidth</code>	The width of the quote.
<code>\footerwidth</code>	The width of the footer (used in <code>casual</code> style).
<code>\aftertitlevspace</code>	Vertical space between head and quote (or main text, if no quote is given).
<code>\afterquotevspace</code>	Vertical space between quote and main text. Used only if quote is given.
<code>\afterelementsvspace</code>	Vertical space inserted after each element (<code>\cvitem</code> , <code>\cventry</code> , ...).
<code>\beforesecvspace</code>	Vertical space inserted before or after sections and subsections. Use an elastic length (e.g. something like <code>3ex plus .2ex minus .1ex</code> or <code>\baselineskip</code>). Note that the section and subsection definition of <code>komacv</code> needs improvement, so the setting of these lengths may not produce the desired result and the result may change in future versions.
<code>\aftersecvspace</code>	
<code>\beforesubsecvspace</code>	
<code>\aftersubsecvspace</code>	

3.6 Colors

<code>\colorlet</code>	The color theme of the whole document is changed via the <code>documentclass</code> options as described above (3.1). If you want to change the color of certain elements only you may do so with the command <code>\colorlet{elementcolorname}{color}</code> , for example <code>\colorlet{firstnamecolor}{red}</code> (basic color name) or <code>\colorlet{firstnamecolor}{Firebrick2}</code> (color name as defined in the color spectrum specified with the <code>documentclass</code> option [<code>\xcolor=</code>]), all names in this case) or <code>\colorlet{sectitlecolor}{firstnamecolor}</code> (make the section titles have the same color as the first name).
<code>firstnamecolor</code>	With the color names given beside you can change the color of the corresponding elements that are used in the head (or foot) of your CV. By default (i.e. if you do not change the colors with <code>\colorlet</code>) the text in the CV head is black. More precisely, the <code>firstnamecolor</code> is black, the other elements of the head take the color of the first name. So if you want to change the color of the whole text in the head, it suffices to change <code>firstnamecolor</code> . If you want the different elements to have different colors, you have to define them separately.
<code>familynamcolor</code>	
<code>acadtitlecolor</code>	
<code>addresscolor</code>	
<code>quotecolor</code>	
<code>framecolor</code>	<code>framecolor</code> and <code>framebackcolor</code> may be specified when <code>\photo</code> is used with either <code>[frame]</code> or <code>[mframe]</code> as optional argument. <code>framecolor</code> sets the color of the frame around the picture, <code>framebackcolor</code> of the interspace between frame and picture. By default <code>framecolor</code> is the color of the document <code>colortheme</code> , <code>framebackcolor</code> is white.
<code>framebackcolor</code>	
<code>secbarcolor</code>	By default the section headers, the bar beside the section headers (if provided by the current style) and the subsection headers are given in the color of the document <code>colortheme</code> . To change the settings use the color names given beside.
<code>seccolor</code>	
<code>subseccolor</code>	
<code>hintcolor</code>	<code>hintcolor</code> is the name of the color used for the text in the hint column. By default it is black.
<code>\definecolor</code>	If you want to assign a color to a name you can do so with the <code>\definecolor</code> command from the <code>xcolor</code> : <code>\definecolor{mycolor}{cmyk}{0.92,0,0.87,0.09}</code> .
<code>mycolor</code>	This new (or any other) name may be given as value to the <code>color</code> key in the <code>documentclass</code> optionlist and used with <code>\colorlet</code> as just described.

3.7 Encoding and Fonts

This class does not load any fonts. The different engines have their own ways of handling fonts and it is up to the user to choose the engine and a font suitable for the style in use. With X_YTeX, X_YL^ATeX, LuaTeX and LuaL^ATeX `fontspec` is loaded by `komacv`, with pdfL^ATeX utf8 is loaded as input encoding and T1 as fontencoding. Set the desired font in a usual engine-specific way, e. g. with `\setmainfont{font}` for X_YTeX, LuaTeX and friends and with `\usepackage{font}` for pdfL^ATeX.

The element specific font attributes are set with `\newkomafont` and may be adjusted with `\setkomafont` or `\addtokomafont`.

For example:

```

firstnamefont      \setkomafont{firstnamefont}{\fontsize{24}{26}\itshape} or
familynamelfont   \addtokomafont{familynamelfont}{\scshape} or
acadtitlefont     \setkomafont{addressfont}{\usekomafont{quotefont}}.
addressfont
quotefont
hintfont
commentfont
commentmainfont

linkfont
httplinkfont
emailfont

section
subsection

```

By default `familynamelfont` is the same as `firstnamefont`, so if you want to change both it suffices to change `firstnamefont`. `addressfont` is used for the whole addressblock, including address, phone and fax numbers, email address, homepage address and extrainfo.

`commentfont` and `commentmainfont` are used in `\cvitemwithcomment` only.

`linkfont`, `httplinkfont`, `emailfont` are used for the link commands `\link`, `\httplink` and `\emailink` (described below 4.8).

Font attributes of elements that belong to the `scartcl` class are also changed in the usual KOMA-way, e. g.:

```

\setkomafont{section}{\Large\sffamily\mdseries\slshape}.
\addtokomafont{subsection}{\bfseries}.

```

Switching to a sans-serif font as default is done in the usual L^ATeX way, e. g.

```

\renewcommand\familydefault{\rmdefault}\normalfont

```

at the beginning of the document (not in the preamble!) This will change the font of some elements, though not all. Make use of the font definition macros for everything else.

3.8 Page number

`\totalpagemark`

The command `\totalpagemark` prints the total number of pages. With the following definition in your preamble you will get the page number followed by a slash and the total number of pages in the outer foot of your pages (with the help of `sclayer-scrpage` which is loaded by the documentclass):

```

\pagestyle{scrheadings}
\clearscrheadfoot
\ofoot{\pagemark/\totalpagemark}

```

3.9 Hypersetup

`\hypersetup`

To change the way hyperlinks are highlighted in the pdf document, use the `\hypersetup` command. This command is provided by the `hyperref` package which is loaded by the `komacv` class. See the `hyperref` manual for the options available.

pdfauthor
 pdftitle
 pdfsubject
 pdfkeywords
 allbordercolors
 citebordercolor
 filebordercolor
 linkbordercolor
 menubordercolor
 urlbordercolor
 runbordercolor

 urlcolor

Note: The following `\hypersetup` option keys (and these only) must *not* be redefined with `\hypersetup` but with `\renewcommand`:
`pdfauthor`, `pdftitle`, `pdfsubject`, `pdfkeywords` and all `...bordercolor` options. *For example*, do not use:

```
\hypersetup{pdftitle = {My~CV}} but rather:
\renewcommand*\pdftitle{My~CV}.
```

This is necessary because the defaults defined by the documentclass are loaded at the end of the preamble and would overwrite any user settings.

All `\hypersetup` color options accept the same color names as does the documentclass `color` option (i. e. it depends on the setting of the documentclass option `xcolor` which names will be recognized). So you can change the color options like this:

```
\renewcommand*\urlbordercolor{green} (for the ...bordercolor options), but
\hypersetup{urlcolor=pink} (for all other ...color options).
```

4 In the document

4.1 `\maketitle`

`\maketitle`

With `\maketitle` at the beginning of your document your personal data and your picture as specified in the preamble will be set in the header (and possibly footer) of the first page according to the chosen style.

If you want the footer to appear on all pages, use `\pagestyle{footer}` or `\pagestyle{mypagestyle}` somewhere at the beginning of your document (not in the preamble).

4.2 Sections and subsections

To structure your CV into sections like “Education”, “Job training”, “Interests” a.s.o. use the `\section` and `\subsection` commands. They are formatted according to the current style and include no section numbering. See above (3.6 and 3.7) how to change the color and the font attributes of sections and subsections.

4.3 `\cvitem`

`\cvitem`

`\cvitem[spacing]{header}{text}` is for single pairs of header and text. The header will appear in the hint column, the main text in the main column.

The optional argument defines the vertical space after this `\cvitem` element. This applies analogously to all the elements with an optional spacing argument.

To change the vertical space used after *all* `\cv...` elements that have an optional spacing argument, change `\afterelements vspace` as described above (3.5). If the optional spacing argument is used it overrides the value of `\afterelements vspace` for the current element.

Caveat: No newlines (`\`) or paragraphs (`\par` oder empty lines) are allowed inside `\cvitem` and the other predefined elements. They will lead to an error message like:

! Paragraph ended before `\cvitem` was complete.
and the parsing process will stop.

4.4 `\cvdoubleitem`

`\cvdoubleitem` `\cvdoubleitem[<spacing>]{<header1>}{<text1>}{<header2>}{<text2>}` puts two pairs of header and text in one line. The first header appears in the hint column.

4.5 `\cvlistitem` and `\cvlistdoubleitem`

`\cvlistitem[<label>]{<item>}` and
`\cvlistdoubleitem[<label>]{<item1>}{<item2>}`
put one or two pair(s) of label and item in the main column. The hint column is left empty. If the optional argument is omitted, the label is the default label provided by the style in use or the label defined with `\listitemsymbol`.

4.6 `\cventry`

`\cventry` With the command
`\cventry[<spacing>]{<years>}{<degree/job title>}{<institution/employer>}{<localization>}{<grade/...>}{<comment/job description>}`
you get a more structured description. The first mandatory argument will usually be placed in the hint column (depending on the style in use), all others in the main column, each with its own formatting. Just leave empty those arguments you do not need (use empty braces `{}`) . Note, however, that the second mandatory argument should not be empty (otherwise the entry in the main column will start with a comma).

4.7 `\cvitemwithcomment`

`\cvitemwithcomment` With `\cvitemwithcomment[<spacing>]{<header>}{<text>}{<comment>}` you can list a pair of header and description with a additional right-aligned comment.

4.8 Links

There are three link commands predefined:
`\link[<optional text>]{<link>}`,
`\httplink[<optional text>]{<link>}`, and
`\emailink[<optional text>]{<link>}`.
All of them take a description as optional argument and the link address as mandatory argument. The optional argument will be shown in the text, the hyperlink points to the address given in the mandatory argument. If no optional argument is given the address in the mandatory argument will be printed. The mandatory argument of `\httplink` will be prefixed with `http://`, of `\emailink` with `mailto:`. To change the font attributes of the links, see above 3.7.

`compactitem`
`compactenum`
`compactdesc`

4.9 Itemize

These are three compact versions of the standard lists `itemize`, `enumerate` and `description` (by the `enumitem` package). In the default setting within `komacv` they come without indentation or extra spacing so they fit nicely into other elements such as `\cvitem`. They are used in the usual way:

```
\begin{compactitem}
  \item text
\end{compactitem}.
```

If you use them inside other elements make sure there are no empty lines surrounding them, otherwise you will get an error message (see 4.3).

5 Styles

5.1 The classic style

In `classic` style all personal data appear in the header with the optional picture on the right side. Section and subsection headers are given in the document color and placed in the main column. On the left side of the section headers is a horizontal bar in the hint column.

5.2 The casual style

The `casual` style is built upon the `classic` style with a few changes. The main difference to the `classic` style is that the picture is set at the left of the header and the address block is set in the foot of the page. By default the foot is set on the first page only. If you want it on all pages, put `\pagestyle{footer}` at the beginning of your document.

5.3 The oldstyle style

This style provides a CV with the addressblock in the left margin and the hint column to the right. The section headers are kept simple, without section bars. To allow for three columns the `DIV` value is increased.

6 Examples

For examples see the example files `komacv_example_(style).pdf` that come with this class. They should be located in the `doc`-directory of the tree where the class is stored. The example file `komacv_example.tex` can be used to test the various possibilities `komacv` offers. Just remove (or add) comment signs and change the preset values.

7 New CV styles

The flexibility of `komacv` makes it fairly easy to create new CV styles. If you have created a CV style of your own and want to share it with others you have two possibilities:

You can publish it on CTAN. Just make sure it will be installed in the `styles`-subdirectory of the `komacv`-directory (usually `tex/latex/komacv/styles`).

Or you can send it to me at `salome.soedergran@gmx.ch` and I will include it in the next version of `komacv`.

8 Bugs, things to do, and maintenance

Further testing and use will certainly make some bugs crawl out from the dark in which they hide from me until now. If you encounter bugs, errors or typos, or if you have suggestions how to improve the `komacv` class and the style files, please do not hesitate to contact me (in English or German) at `salome.soedergran@gmx.ch`. I am thankful for any suggestions that help improving `komacv` though I dare not promise to be always very speedy in publishing a new version. Computer stuff is something of rather low priority with me. So if you make a point of having bugs fixed as soon as possible I'd readily hand over the task of maintenance.

9 Acknowledgements

Many thanks to Ulrike Fischer, Alexander Kränzlein, Matthias C. Schmidt, Damian Martinez Dreyer, Wolfgang Witt, and Sebastian Röder for their suggestions and help. I am also grateful to Andreas Bießmann, Simon Dreher, Paul Menzel and Dominik Waßenhoven who helped to improve the (now obsolete) `koma-moderncvclassic.sty`.

10 Implementation

Note: The code of the styles is not part of the file `komacv.cls` but is to be found in the style files `komacv-(stylename).sty`, e. g. `komacv-classic.sty`.

10.1 The `komacv` class

Initialization

```
1 \providecommand*\mycolor{blue}
2 \RequirePackage{ifthen,kvoptions,calc}
```

Declare Options

```
3 \SetupKeyvalOptions{%
4 family=komacv,%
5 prefix=komacv@,%
6 setkeys=\kvsetkeys%
7 }
8 \DeclareStringOption[mycolor]{color}[mycolor]
9 \DeclareStringOption[x11names]{xcolor}[x11names]
10 \DeclareStringOption[classic]{style}[classic]
11 \DeclareDefaultOption{\PassOptionsToClass{\CurrentOption}{scrartcl}}
```

Process Options

```
12 \ProcessKeyvalOptions{komacv} % evaluate keyval options
```

Load class

```
13 \LoadClass[a4paper,headings=normal,fontsize=11pt]{scrartcl}
```

Packages

```
14 \RequirePackage[\komacv@xcolor]{xcolor}
```

```
15 \RequirePackage{%
```

```
16 etoolbox,%
```

```
17 ifpdf,%
```

```
18 ifluatex,%
```

```
19 ifxetex,%
```

```
20 scrlayer-scrpage,%
```

```
21 marvosym,%
```

```
22 fontawesome,%
```

```
23 array,%
```

```
24 graphicx,%
```

```
25 microtype,%
```

```
26 enumitem,%
```

```
27 hyperref%
```

```
28 }
```

```
29 \RequirePackage[raggedrightboxes]{ragged2e}
```

```
30
```

```
31 \AtEndPreamble{%
```

```
32 \renewcommand\familydefault{\sfdefault}% without this, pdflatex produces error messages;
```

```
33 }
```

Colors

```
34 \definecolor{myblue}{rgb}{0.2,0.3,0.65}
```

```
35 \colorlet{mycolor}{myblue}
```

```
36 \AtEndPreamble{%
```

```
37 \renewcommand*\mycolor{\komacv@color}
```

```
38 \colorlet{colortheme}{\mycolor}% specified in documentclass option
```

```
39 \@ifundefinedcolor{headlinecolor}{%
```

```
40 \colorlet{@headlinecolor}{black}}{%
```

```
41 \colorlet{@headlinecolor}{headlinecolor}}
```

```
42 \@ifundefinedcolor{firstnamecolor}{%
```

```
43 \colorlet{@firstnamecolor}{black}}{%
```

```
44 \colorlet{@firstnamecolor}{firstnamecolor}}
```

```
45 \@ifundefinedcolor{familynamecolor}{%
```

```
46 \colorlet{@familynamecolor}{@firstnamecolor}}{%
```

```
47 \colorlet{@familynamecolor}{familynamecolor}}
```

```
48 \@ifundefinedcolor{acadtitlecolor}{%
```

```
49 \colorlet{@acadtitlecolor}{@firstnamecolor}}{%
```

```
50 \colorlet{@acadtitlecolor}{acadtitlecolor}}
```

```
51 \@ifundefinedcolor{addresscolor}{%
```

```
52 \colorlet{@addresscolor}{@firstnamecolor}}{%
```

```
53 \colorlet{@addresscolor}{addresscolor}}
```

```

54     \@ifundefinedcolor{quotecolor}{%
55         \colorlet{@quotecolor}{@firstnamecolor}}{%
56         \colorlet{@quotecolor}{quotecolor}}
57     \@ifundefinedcolor{secbarcolor}{%
58         \colorlet{@secbarcolor}{colortheme}}{%
59         \colorlet{@secbarcolor}{secbarcolor}}
60     \@ifundefinedcolor{seccolor}{%
61         \colorlet{@seccolor}{colortheme}}{%
62         \colorlet{@seccolor}{seccolor}}
63     \@ifundefinedcolor{subseccolor}{%
64         \colorlet{@subseccolor}{colortheme}}{%
65         \colorlet{@subseccolor}{subseccolor}}
66     \@ifundefinedcolor{hintcolor}{%
67         \colorlet{@hintcolor}{black}}{%
68         \colorlet{@hintcolor}{hintcolor}}
69     \@ifundefinedcolor{framecolor}{%
70         \colorlet{@framecolor}{colortheme}}{%
71         \colorlet{@framecolor}{framecolor}}
72     \@ifundefinedcolor{framebackcolor}{%
73         \colorlet{@framebackcolor}{white}}{%
74         \colorlet{@framebackcolor}{framebackcolor}}
75     } % end AtEndPreamble

```

Encoding and Fonts

```

76     \ifboolexpr{bool{xetex} or bool{luatex}}{%
77         \RequirePackage{fontspec}%
78     }{%
79         \RequirePackage[utf8]{inputenc}
80         \RequirePackage[T1]{fontenc}%
81     }
82     \newkomafont{headlinefont}{\fontsize{30}{32}\mdseries\upshape}
83     \newkomafont{firstnamefont}{\Huge\mdseries\upshape}
84     \newkomafont{familynamefont}{\usefontofkomafont{firstnamefont}}
85     \newkomafont{acadttitlefont}{\LARGE\mdseries\itshape}
86     \newkomafont{addressfont}{\normalsize\mdseries\itshape}
87     \newkomafont{quotefont}{\large\itshape}
88     \newkomafont{hintfont}{}
89     \newkomafont{linkfont}{}
90     \newkomafont{httplinkfont}{}
91     \newkomafont{emailinkfont}{}
92     \newkomafont{commentmainfont}{\bfseries} % in \cvitemwithcomment
93     \newkomafont{commentfont}{\footnotesize\itshape} % in \cvitemwithcomment
94     \providecommand\sectionfont{\Large\sffamily\mdseries\upshape}
95     \providecommand\subsectionfont{\large\sffamily\mdseries\upshape}
96     \setkomafont{section}{\sectionfont}
97     \setkomafont{subsection}{\subsectionfont}

```

Lengths

```

98     \setlength\parindent{0pt}
99     \setlength\columnsep{10\p@}

```

```

100 \setlength\columnseprule{0\p@}
101 \newlength\@komacvtextwidth
102 \newlength\@hintscolwidth
103 \newlength\hintscolwidth
104 \setlength\hintscolwidth{Opt}
105 \newlength\@sepcolwidth
106 \newlength\sepcolwidth
107 \setlength\sepcolwidth{Opt}
108 \newlength\@maincolwidth
109 \newlength\maincolwidth
110 \setlength\maincolwidth{Opt}
111 \newlength\@quotewidth
112 \newlength\quotewidth
113 \setlength\quotewidth{Opt}
114 \newlength\@dbitemmaincolwidth
115 \newlength\dbitemmaincolwidth
116 \setlength\dbitemmaincolwidth{Opt}
117 \newlength\@listitemsymbolwidth
118 \newlength\listitemsymbolwidth
119 \setlength\listitemsymbolwidth{Opt}
120 \newlength\@listitemmaincolwidth
121 \newlength\listitemmaincolwidth
122 \setlength\listitemmaincolwidth{Opt}
123 \newlength\@listdbitemmaincolwidth
124 \newlength\listdbitemmaincolwidth
125 \setlength\listdbitemmaincolwidth{Opt}
126 \newlength\@titlepicwidth
127 \newlength\@titlesepwidth
128 \setlength\@titlesepwidth{Opt}
129 \newlength\titlesepwidth
130 \setlength\titlesepwidth{Opt}
131 \newlength\@mframepicshift
132 \newlength\mframepicshift
133 \setlength\mframepicshift{Opt}
134 \newlength\@commentmainlength
135 \newlength\@commentlength
136 \newlength\@titlenamewidth
137 \newlength\@titlenamemaxwidth
138 \newlength\titlenamemaxwidth
139 \setlength\titlenamemaxwidth{Opt}
140 \newlength\@titlenamefullwidth
141 \newlength\@titledetailwidth
142 \newlength\@infocolwidth
143 \newlength\infocolwidth
144 \setlength\infocolwidth{Opt}
145 \newlength\@sepinfocolwidth
146 \newlength\sepinfocolwidth
147 \setlength\sepinfocolwidth{Opt}
148 \newlength\komacvinfocolextrawidth % witout @ for use inside document (addmargin)
149 \newlength\@footerwidth

```

```

150 \setlength\@footerwidth{.6\textwidth}
151 \newlength\@fboxwidth
152 \newlength\footerwidth
153 \setlength\footerwidth{Opt}
154 \newlength\@aftertitlevspace
155 \newlength\aftertitlevspace
156 \setlength\aftertitlevspace{Opt}
157 \newlength\@afterquotevspace
158 \newlength\afterquotevspace
159 \setlength\afterquotevspace{Opt}
160 \newlength\@afterelements vspace
161 \newlength\afterelements vspace
162 \newlength\@beforesecvspace
163 \newlength\beforesecvspace
164 \setlength\beforesecvspace{Opt}
165 \newlength\@aftersecvspace
166 \newlength\aftersecvspace
167 \setlength\aftersecvspace{Opt}
168 \newlength\@beforesubsecvspace
169 \newlength\beforesubsecvspace
170 \setlength\beforesubsecvspace{Opt}
171 \newlength\@aftersubsecvspace
172 \newlength\aftersubsecvspace
173 \setlength\aftersubsecvspace{Opt}
174
175 \AtEndPreamble{%
176   % infocol (oldstyle)
177   \setlength{\@infocolwidth}{\infocolwidth}
178   \setlength{\@sepinfocolwidth}{\sepinfocolwidth}
179   \setlength\komacvinfocolextrawidth{\@infocolwidth+\@sepinfocolwidth}
180   \setlength\komacvtextwidth{\textwidth-\komacvinfocolextrawidth}
181
182   % fboxextra (picture frame)
183   \newlength\@fboxextra
184   \setlength\@fboxextra{\fboxsep+\fboxrule}
185
186   % hintscolumn
187   \ifdimequal{\hintscolwidth}{Opt}{%
188     \setlength\@hintscolwidth{.2\komacvtextwidth}
189   }{%
190     \setlength{\@hintscolwidth}{\hintscolwidth}%
191   }
192
193   % separatorcolumn
194   \ifdimequal{\sepcolwidth}{Opt}{%
195     \setlength\@sepcolwidth{2em}%
196   }{%
197     \setlength{\@sepcolwidth}{\sepcolwidth}%
198   }
199

```

```

200 % maincolumn
201 \ifdimequal{\maincolwidth}{Opt}{%
202   \setlength{\@maincolwidth}{\@komacvtextwidth-\@sepcolwidth-\@hintscolwidth}%
203 }{%
204   \setlength{\@maincolwidth}{\maincolwidth}%
205 }
206
207 % doubleitem
208 \ifdimequal{\dbitemmaincolwidth}{Opt}{%
209   \setlength{\@dbitemmaincolwidth}{%
210     \@maincolwidth-\@hintscolwidth-2\@sepcolwidth}%
211   \setlength{\@dbitemmaincolwidth}{0.5\@dbitemmaincolwidth}%
212 }{%
213   \setlength{\@dbitemmaincolwidth}{\dbitemmaincolwidth}%
214 }
215
216 % listitem
217 \ifdimequal{\listitemsymbolwidth}{Opt}{%
218   \settowidth{\@listitemsymbolwidth}{\listitemsymbol{}}~%
219 }{%
220   \setlength{\@listitemsymbolwidth}{\listitemsymbolwidth}%
221 }
222   \setlength{\@listitemmaincolwidth}{\@maincolwidth-\@listitemsymbolwidth}%
223
224 % listdoubleitem
225 \ifdimequal{\listdbitemmaincolwidth}{Opt}{%
226   \setlength{\@listdbitemmaincolwidth}{\@maincolwidth-\@listitemsymbolwidth}%
227   \setlength{\@listdbitemmaincolwidth}{0.475\@listdbitemmaincolwidth}% %
228 }{%
229   \setlength{\@listdbitemmaincolwidth}{\listdbitemmaincolwidth}%
230   \setlength{\@listdbitemmaincolwidth}{0.475\@listdbitemmaincolwidth}% %
231 }
232
233 % quote
234 \ifdimequal{\quotewidth}{Opt}{%
235   \setlength{\@quotewidth}{0.65\textwidth}%
236 }{%
237   \setlength{\@quotewidth}{\quotewidth}%
238 }
239 \ifdimequal{\afterquotevspace}{Opt}{%
240   \setlength\@afterquotevspace{2\baselineskip}%
241 }{%
242   \setlength\@afterquotevspace{\afterquotevspace}%
243 }
244
245 % title
246 \ifundef{\@photoname}{% without picture:
247   \setlength\@aftertitlevspace{\aftertitlevspace}
248 }{% with picture:
249   \ifthenelse{%

```



```

250         \equal{\@photoframe}{frame} \OR
251         \equal{\@photoframe}{mframe}
252     }{% with frame:
253         \ifdimequal{\aftertitlevspace}{0pt}{%
254             \setlength\@aftertitlevspace{1.5\@fboxextra}
255         }{%
256             \setlength\@aftertitlevspace{\aftertitlevspace}
257         }
258     }{% without frame:
259         \setlength\@aftertitlevspace{\aftertitlevspace}
260     }%
261 }%
262 \ifundef{\@photoname}{%
263     \ifdimequal{\titlesepwidth}{0pt}{%
264         \setlength\@titlesepwidth{\@sepcolwidth}
265     }{%
266         \setlength{\@titlesepwidth}{\titlesepwidth}
267     }
268 }
269
270 % afterelementsvspace
271 \ifdimequal{\afterelementsvspace}{0pt}{%
272     \setlength{\@afterelementsvspace}{0.25em}%
273 }{%
274     \setlength{\@afterelementsvspace}{\afterelementsvspace}%
275 }
276
277 % beforesecvspace
278 \ifdimequal{\beforesecvspace}{0pt}{%
279     \setlength{\@beforesecvspace}{3.5ex \@plus -1ex \@minus -.2ex}%
280 }{%
281     \setlength{\@beforesecvspace}{\beforesecvspace}%
282 }
283
284 % aftersecvspace
285 \ifdimequal{\aftersecvspace}{0pt}{%
286     \setlength{\@aftersecvspace}{2.3ex \@plus .2ex}%
287 }{%
288     \setlength{\@aftersecvspace}{\aftersecvspace}%
289 }
290 % beforesubsecvspace
291 \ifdimequal{\beforesubsecvspace}{0pt}{%
292     \setlength{\@beforesubsecvspace}{3.25ex \@plus -1ex \@minus -.2ex}%
293 }{
294     \setlength{\@beforesubsecvspace}{\beforesubsecvspace}%
295 }
296
297 % aftersubsecvspace
298 \ifdimequal{\aftersubsecvspace}{0pt}{%
299     \setlength{\@aftersubsecvspace}{1.5ex \@plus .2ex}%

```

```

300     }{%
301     \setlength{\@aftersubsecvspace}{\aftersubsecvspace}%
302     }
303 } % end AtEndPreamble

```

Symbols

```

304 \providecommand*\@addresssymbol{}
305 \providecommand*\addresssymbol{}
306 \providecommand*\@mobilesymbol{\Mobilefone~}
307 \providecommand*\mobilesymbol{}
308 \providecommand*\@phonesymbol{\Telefon~}
309 \providecommand*\phonesymbol{}
310 \providecommand*\@faxsymbol{\FAX~}
311 \providecommand*\faxsymbol{}
312 \providecommand*\@emailsymbol{\Letter~}
313 \providecommand*\emailsymbol{}
314 \providecommand*\@homepagesymbol{}
315 \providecommand*\homepagesymbol{}
316 \providecommand*\@twittersymbol{\faTwitter~}
317 \providecommand*\twittersymbol{}
318 \providecommand*\@githubsymbol{\faGithub~}
319 \providecommand*\githubsymbol{}
320 \providecommand*\@facebooksymbol{\faFacebook~}
321 \providecommand*\facebooksymbol{}
322 \providecommand*\@linkedsymbol{\faLinkedin~}
323 \providecommand*\linkedsymbol{}
324 \providecommand*\@fsymbol{~~~\textbullet~~~}
325 \providecommand*\fsymbol{}
326 \providecommand*\@listitemsymbol{\textcolor{colortheme}{\Neutral}~}
327 \providecommand*\listitemsymbol{}
328
329 \AtEndPreamble{%
330   \ifdefempty{\@addresssymbol}{-}{%
331     \renewcommand*\@addresssymbol{\addresssymbol}
332   }
333   \ifdefempty{\@mobilesymbol}{-}{%
334     \renewcommand*\@mobilesymbol{\mobilesymbol}
335   }
336   \ifdefempty{\@phonesymbol}{-}{%
337     \renewcommand*\@phonesymbol{\phonesymbol}
338   }
339   \ifdefempty{\@faxsymbol}{-}{%
340     \renewcommand*\@faxsymbol{\faxsymbol}
341   }
342   \ifdefempty{\@emailsymbol}{-}{%
343     \renewcommand*\@emailsymbol{\emailsymbol}
344   }
345   \ifdefempty{\@homepagesymbol}{-}{%
346     \renewcommand*\@homepagesymbol{\homepagesymbol}
347   }

```

```

348     \ifdefempty{\twittersymbol}{}{%
349 \renewcommand*\@twittersymbol{\twittersymbol}
350 }
351     \ifdefempty{\githubsymbol}{}{%
352 \renewcommand*\@githubsymbol{\githubsymbol}
353 }
354     \ifdefempty{\facebooksymbol}{}{%
355 \renewcommand*\@facebooksymbol{\facebooksymbol}
356 }
357     \ifdefempty{\linkedinsymbol}{}{%
358 \renewcommand*\@linkedinsymbol{\linkedinsymbol}
359 }
360     \ifdefempty{\fsymbol}{}{%
361 \renewcommand*\@fsymbol{\fsymbol}
362 }
363     \ifdefempty{\listitemsymbol}{}{%
364 \renewcommand*\@listitemsymbol{\listitemsymbol}
365 }
366
367
368 } % end \AtEndPreamble
369

```

Personal data

```

370 \providecommand*\firstname{}
371 \providecommand*\familyname{}
372 \providecommand*\acadtitle{}
373 \providecommand*\addressstreet{}
374 \providecommand*\addresscity{}
375 \providecommand*\address}[2]{\addressstreet{#1}\addresscity{#2}}
376 \providecommand*\mobile{}
377 \providecommand*\phonenr{}
378 \providecommand*\faxnr{}
379 \providecommand*\email{}
380 \providecommand*\homepage{}
381 \providecommand*\twitter{}
382 \providecommand*\github{}
383 \providecommand*\facebook{}
384 \providecommand*\linkedin{}
385 \providecommand*\extrainfo{}
386 \providecommand*\cvquote{}

```

Itemize

With enumitem

```

387 \newlist{compactitem}{itemize}{3}
388 \newlist{compactenum}{enumerate}{3}
389 \newlist{compactdesc}{description}{3}
390 \setlist[compactitem,compactenum,compactdesc]{%
391     topsep=0pt,%

```

```

392     partopsep=0pt,%
393     itemsep=0pt,%
394     parsep=0pt,%
395     leftmargin=*%
396 } % end setlist
397 \AtEndPreamble{%
398 \setlist[compactitem,1]{label=\@listitemsymbol}
399 \setlist[compactitem,2]{label={\textcolor{colortheme}\textendash}}
400 \setlist[compactitem,3]{label={\textcolor{colortheme}\textperiodcentered}}
401 \setlist[compactenum,1]{label={\textcolor{colortheme}{\arabic*}}}
402 \setlist[compactenum,2]{label={\textcolor{colortheme}{\alph*}}}
403 \setlist[compactenum,3]{label={\textcolor{colortheme}{\roman*}}}
404 } % end AtEndPreamble

```

Picture

```

405 \newlength\@photowidth
406 \providecommand{\photo}[3] [] {%
407 \providecommand{\@photoframe}{#1}%
408 \setlength{\@photowidth}{#2}%
409 \providecommand{\@photoname}{#3}}

```

Headline

```

410 \providecommand\headlinetype{none}
411 \providecommand\@headlinecontent{}
412 \providecommand\headlinecontent{}
413 \providecommand\headline[2]{\renewcommand\headlinecontent{#1}\renewcommand\headlinetype{#2}}
414
415 \AtEndPreamble{%
416 \ifdefstring{\headlinetype}{name}{%
417 \ifdefempty{\headlinecontent}{%
418 \renewcommand*\@headlinecontent{\firstnamestyle{\firstname}\ \familynamestyle{\familyname}}
419 \ifdefempty{\acadtitle}{%
420 \par\bigskip\acadtitlestyle{\acadtitle}}%
421 }}{%
422 \renewcommand*\@headlinecontent{\headlinecontent}
423 }}{}
424 \ifdefstring{\headlinetype}{title}{%
425 \ifdefempty{\headlinecontent}{%
426 \renewcommand*\@headlinecontent{\headlinestyle{Curriculum Vitae}}
427 }{%
428 \renewcommand*\@headlinecontent{\headlinecontent}
429 }}{}
430 }
431 % \end{macrocode}
432 %
433 %\subsubsection*{Title/Head}
434 % \begin{macrocode}
435 \newif\if@firstdetailselement\@firstdetailselementtrue
436 \providecommand*\@titledetailsnewline{

```

```

437     \if@firstdetailselement%
438         \@firstdetailselementfalse%
439     \else%
440         \[.4ex]
441     \fi%
442 }
443 \renewcommand\maketitle{\csexpandonce{@cvttitle\komacv@style}}

```

Lastpage

```

444 \RequirePackage{lastpage}
445 \providecommand*\totalpagemark{% page and pagetotal
446 \usefontofkomafont{pagenumber}\pageref{LastPage}%
447 }

```

Element styles

```

448 \providecommand*\headlinestyle[1]{%
449     \usefontofkomafont{headlinefont}%
450     \textcolor{@headlinecolor}{#1}}
451 \providecommand*\firstnamestyle[1]{%
452     \usefontofkomafont{firstnamefont}%
453     \textcolor{@firstnamecolor}{#1}}
454 \providecommand*\familynamestyle[1]{%
455     \usefontofkomafont{familynamefont}%
456     \textcolor{@familynamecolor}{#1}}
457 \providecommand*\acadtitlestyle[1]{%
458     \usefontofkomafont{acadtitlefont}%
459     \textcolor{@acadtitlecolor}{#1}}
460 \providecommand*\addressstyle[1]{%
461     \usefontofkomafont{addressfont}%
462     \textcolor{@addresscolor}{#1}}
463 \providecommand*\quotestyle[1]{%
464     \usefontofkomafont{quote font}%
465     \textcolor{@quotecolor}{#1}}
466 \providecommand*\hintstyle[1]{%
467     \usefontofkomafont{hintfont}%
468     \textcolor{@hintcolor}{#1}}
469 \providecommand*\sectionstyle[1]{%
470     \usefontofkomafont{section}%
471     \textcolor{@seccolor}{#1}}
472 \providecommand*\subsectionstyle[1]{%
473     \usefontofkomafont{subsection}%
474     \textcolor{@subseccolor}{#1}}

```

Elements

cvitem

usage: `\cvitem[spacing]{header}{text}`

```

475 \providecommand*\cvitem[3][\@afterelements\svspace]{%
476 \begin{tabular}{%
477     @{}>\raggedleft\arraybackslash}p{\@hintscolwidth}%

```

```

478         @{\hspace{\@sepcolwidth}}p{\@maincolwidth}@{}%
479     }%
480     \hintstyle{#2} & {#3}%
481 \end{tabular}\@{#1}%
482 }

```

cvdoubleitem

usage: \cvdoubleitem[*spacing*]{*header1*}{*text1*}{*header2*}{*text2*}

```

483 \providecommand*\cvdoubleitem[5][\@afterelements\svspace]{%
484 \cvitem[#1]{#2}{%
485 \begin{minipage}[t]{\@dbitemmaincolwidth}#3\end{minipage}%
486 \hspace*\@sepcolwidth}%
487 \begin{minipage}[t]{\@hintscolwidth}%
488 \noindent\raggedleft\hintstyle{#4}
489 \end{minipage}%
490 \hspace*\@sepcolwidth}%
491 \begin{minipage}[t]{\@dbitemmaincolwidth}%
492 \noindent #5
493 \end{minipage}%
494 }%
495 }

```

cvlistitem

usage: \cvlistitem[*label*]{*item*}

```

496 \providecommand*\cvlistitem[2][\@afterelements\svspace]{%
497 \cvitem[#1]{}%
498 \@listitemsymbol%
499 \hfill %
500 \begin{minipage}[t]{.95\@listitemmaincolwidth}%
501 #2%
502 \end{minipage}%
503 }%
504 }

```

cvlistdoubleitem

usage: \cvlistdoubleitem[*label*]{*item1*}{*item2*}

```

505 \providecommand*\cvlistdoubleitem[3][\@afterelements\svspace]{%
506 \cvitem[#1]{}%
507 \@listitemsymbol%
508 \hfill %
509 \begin{minipage}[t]{.9\@listdbitemmaincolwidth}%
510 #2%
511 \end{minipage}%
512 \hspace*{.9\@sepcolwidth}
513 \ifstrempy{#3}{}%
514 \@listitemsymbol%
515 \hfill %
516 \begin{minipage}[t]{.9\@listdbitemmaincolwidth}%
517 #3%

```

```

518         \end{minipage}
519     }%
520 }%
521 }

```

cventry

usage: `\cventry` [*spacing*] {*years*} {*degree/job title*} {*institution/employer*}
{*localization*} {*grade/...*} {*comment/job description*}

```

522 \providecommand*\cventry}[7][\@afterelements\vspace]{%
523 \cvitem[#1]{#2}{%
524   {\bfseries#3}%
525   \ifstrepty{#4}{,}{\itshape#4}}%
526   \ifstrepty{#5}{,}{#5}%
527   \ifstrepty{#6}{,}{#6}%
528   .%
529   \ifx#7&%
530   \else{%
531     \newline}\begin{minipage}[t]{\linewidth}%
532       \small#7%
533     \end{minipage}%
534   }%
535   \fi%
536 }%
537 }

```

cvitemwithcomment

usage: `\cvitemwithcomment` [*spacing*] {*header*} {*text*} {*comment*}

```

538 \newbox{\@commentmainbox}
539 \providecommand*\cvitemwithcomment}[4][\@afterelements\vspace]{%
540 \savebox{\@commentmainbox}{\usefontofkomafont{commentmainfont} #3}}%
541 \settowidth\@commentmainlength{\usebox{\@commentmainbox}}%
542 \setlength{\@commentlength}{%
543   \@maincolwidth-\@sepcolwidth-\@commentmainlength}%
544 }%
545 \cvitem[#1]{#2}{%
546   \begin{minipage}[t]{\@commentmainlength}%
547     \usefontofkomafont{commentmainfont} #3%
548   \end{minipage}%
549   \hfill%
550   \begin{minipage}[t]{\@commentlength}%
551     \raggedleft\usefontofkomafont{commentfont} #4%
552   \end{minipage}%
553 }%
554 }

```

link

usage: `\link` [*optional text*] {*link*}

```

555 \providecommand*\link}[2][{}]{%
556   \ifstrepty{#1}{%

```

```

557         \href{#2}{\usefontofkomafont{linkfont}#2}}{%
558         \href{#2}{\usefontofkomafont{linkfont}#1}}%
559     }

```

httplink

usage: `\httplink[optional text]{link}`

```

560     \providecommand*\httplink}[2] []{%
561         \ifstrempy{#1}{%
562             \href{http://#2}{\usefontofkomafont{httplinkfont}#2}}{%
563             \href{http://#2}{\usefontofkomafont{httplinkfont}#1}}%
564         }

```

emallink

usage: `\emallink[optional text]{link}`

```

565     \providecommand*\emallink}[2] []{%
566         \ifstrempy{#1}{%
567             \href{mailto:#2}{\usefontofkomafont{emallinkfont}#2}}{%
568             \href{mailto:#2}{\usefontofkomafont{emallinkfont}#1}}%
569         }

```

Sections

570 % Depending on the style in use (see style descriptions).

Hypersetup

```

571     \hypersetup{
572         breaklinks,
573         unicode,
574         colorlinks = false,
575         pdfborder = {0 0 .3},
576         pdfstartview = FitH,
577         pdfstartpage = 1,
578         pdfcreator = \LaTeX{},
579         pdfproducer = \LaTeX{}
580     }
581     \urlstyle{same}
582     \providecommand*\@citebordercolor{}
583     \providecommand*\citebordercolor{\@citebordercolor}
584     \providecommand*\@filebordercolor{}
585     \providecommand*\filebordercolor{\@filebordercolor}
586     \providecommand*\@linkbordercolor{}
587     \providecommand*\linkbordercolor{\@linkbordercolor}
588     \providecommand*\@menubordercolor{}
589     \providecommand*\menubordercolor{\@menubordercolor}
590     \providecommand*\@runbordercolor{}
591     \providecommand*\runbordercolor{\@runbordercolor}
592     \providecommand*\@urlbordercolor{}
593     \providecommand*\urlbordercolor{\@urlbordercolor}
594     \providecommand*\allbordercolors{}

```



```

595     \providecommand*\pdfauthor{}
596     \providecommand*\pdfsubject{}
597     \providecommand*\pdftitle{}
598     \providecommand*\pdfkeywords{}
599
600     \AtEndPreamble{%
601     \providecommand*\@allbordercolors{colortheme}
602     \ifdefempty{\allbordercolors}{}{\renewcommand*\@allbordercolors{\allbordercolors}}
603     \providecommand*\pdfauthor{\firstname~\familyname}
604     \ifdefempty{\pdfauthor}{}{\renewcommand*\pdfauthor{\pdfauthor}}
605     \providecommand*\pdfsubject{\@pdfsubject}
606     \providecommand*\pdfsubject{\@pdfsubject}
607     \providecommand*\pdftitle{\title~\firstname~\familyname}
608     \providecommand*\pdftitle{\@pdftitle}
609     \providecommand*\pdfkeywords{\firstname~\familyname{} curriculum-vit\ae{} CV{}}
610     \providecommand*\pdfkeywords{\@pdfkeywords}
611     \hypersetup{%
612         allbordercolors = \@allbordercolors,
613         citebordercolor = \citebordercolor,
614         filebordercolor = \filebordercolor,
615         linkbordercolor = \linkbordercolor,
616         menubordercolor = \menubordercolor,
617         runbordercolor = \runbordercolor,
618         urlbordercolor = \urlbordercolor,
619         pdfauthor      = \@pdfauthor,
620         pdfsubject     = \pdfsubject,
621         pdftitle       = \pdftitle,
622         pdfkeywords    = \pdfkeywords,
623     }
624 } % end AtEndPreamble

```

Varia

```

625     \AtBeginDocument{%
626     \raggedbottom
627     } % End AtBeginDocument
628     \clearscrheadfoot

```

Load style

```

629     \RequirePackage{komagcv-\komacv@style}

```

10.2 The classic style

Fonts

```

630     \addtokomafont{firstnamefont}{\sffamily}
631     \addtokomafont{acadtitlefont}{\sffamily}
632     \addtokomafont{addressfont}{\sffamily}
633     \addtokomafont{hintfont}{\sffamily}

```

Lengths

```

634     \AtEndPreamble{%

```

```

635     \%AtBeginDocument{
636         \% mframepicshift
637         \ifdimequal{\mframepicshift}{Opt}{%
638             \setlength\@mframepicshift{.5\photowidth+\@fboxextra}
639         }{%
640             \setlength\@mframepicshift{\mframepicshift}
641         }
642     } % end \AtBeginDocument

```

Title / Head

```

643     \AtEndPreamble{%
644         \ifdimequal{\titlenamemaxwidth}{Opt}{%
645             \setlength{\@titlenamemaxwidth}{.525\textwidth}
646         }{
647             \setlength\@titlenamemaxwidth{\titlenamemaxwidth}
648         }
649     }
650     \providecommand\@cvttitleclassic{%
651         \% set \cs{@titlenamemaxwidth} to the full name length, capped by \cs{@titlenamemaxwidth}
652         \settowidth{\@titlenamefullwidth}{\firstnamestyle{\firstname-}\familynamestyle{\familyname}}
653         \ifdimless{\@titlenamemaxwidth}{\@titlenamefullwidth}{%
654             \setlength{\@titlenamewidth}{\@titlenamemaxwidth}
655         }{%
656             \setlength{\@titlenamewidth}{\@titlenamefullwidth}
657         }
658         \% set titlenamedetailwidth
659         \setlength{\@titledetailwidth}{\textwidth-\@titlenamewidth-\@titlesepwidth}%
660         \ifundef{\@photoname}{-}{% else
661             \ifdefstring{\@photoframe}{frame}{%
662                 \setlength{\@titledetailwidth}{\@titledetailwidth-\@photowidth-2\@fboxextra}
663                 \setlength{\@titledetailwidth}{.99\@titledetailwidth} % avoid overfullbox warning
664             }{% else
665                 \ifdefstring{\@photoframe}{mframe}{%
666                     \setlength{\@titledetailwidth}{\@titledetailwidth-\@mframepicshift}%
667                     \setlength{\@titledetailwidth}{.99\@titledetailwidth} % avoid overfullbox warning
668                 }{% picture but no frame
669                     \setlength{\@titledetailwidth}{\@titledetailwidth-\@photowidth}
670                     \setlength{\@titledetailwidth}{.99\@titledetailwidth} % avoid overfullbox warning
671                 }
672             }
673         }%
674         \% name and title
675         \ifdefstring{\headlinecontent}{none}{%
676         }{
677             \begin{center}
678                 \headlinestyle{\@headlinecontent}\par\bigskip
679             \end{center}
680         }
681         \begin{minipage}[b]{\@titlenamewidth}%
682             \RaggedRight

```

```

683     \ifdefstring{\headlinetype}{name}{\hfill\mbox{}}{-%
684         \firstnamestyle{\firstname}\ %
685         \familynamestyle{\familyname}%
686         \ifdefempty{\acadtitle}{}{-%
687             \par\bigskip\acadtitlestyle{\acadtitle}}%
688     }
689 \end{minipage}%
690 % optional data
691 \begin{minipage}[b]{\@titledetailswidth}%
692     \raggedleft\addressstyle{%
693         \ifdefempty{\addressstreet}{}{-%
694             \@titledetailsnewline%
695             \@addresssymbol\addressstreet%
696             \ifdefempty{\addresscity}{}{-%
697                 \@titledetailsnewline\addresscity}}%
698         \ifdefempty{\mobile}{}{-%
699             \@titledetailsnewline\mobilesymbol~\mobile}%
700         \ifdefempty{\phonenr}{}{-%
701             \@titledetailsnewline\phonesymbol~\phonenr}%
702         \ifdefempty{\faxnr}{}{-%
703             \@titledetailsnewline\faxsymbol~\faxnr}%
704         \ifdefempty{\email}{}{-%
705             \@titledetailsnewline\emailsymbol\emailink{\email}}%
706         \ifdefempty{\homepage}{}{-%
707             \@titledetailsnewline\homepagesymbol\httplink{\homepage}}%
708         \ifdefempty{\twitter}{}{-%
709             \@titledetailsnewline\twittersymbol~\twitter}%
710         \ifdefempty{\github}{}{-%
711             \@titledetailsnewline\githubsymbol~\github}%
712         \ifdefempty{\facebook}{}{-%
713             \@titledetailsnewline\facebooksymbol~\facebook}%
714         \ifdefempty{\linkedin}{}{-%
715             \@titledetailsnewline\linkedsymbol~\linkedin}%
716         \ifdefempty{\extrainfo}{}{-%
717             \@titledetailsnewline\extrainfo}%
718     }%
719 \end{minipage}%
720 % optional photo
721 \ifundef{\@photoname}{}{-% with picture:
722     \hspace*{\@titlesepwidth}%
723     \ifthenelse{%
724         \equal{\@photoframe}{frame} \OR
725         \equal{\@photoframe}{mframe}
726     }{-% with frame:
727         \begin{minipage}[b]{\@photowidth}%
728             \fcolorbox{\@framecolor}{\@framebackcolor}{-%
729                 \includegraphics[width=\@photowidth]{\@photoname}}%
730         \end{minipage}}{-% without frame:
731         \begin{minipage}[b]{\@photowidth}
732             \includegraphics[width=\@photowidth]{\@photoname}

```

```

733         \end{minipage}}
734     \\[\@aftertitlevspace]
735     % optional quote
736     \ifundef{\cvquote}{}{%
737         \centering
738         \begin{minipage}{\@quotewidth}%
739             \centering\quotestyle{\cvquote}%
740         \end{minipage}\\[\@afterquotevspace]%
741     }%
742 }

```

Sections

```

743 \setcounter{secnumdepth}{1}
744
745 \RedeclareSectionCommand
746 [
747     beforeskip=\@beforesecvspace,
748     afterskip=\@aftersecvspace,
749     font=\color{@seccolor}\sectionfont
750 ]{section}
751 \renewcommand*\thesection{\color{@secbarcolor}\rule{\@hintscolwidth}{1ex}\hspace{-1ex}\hsp
752
753 \RedeclareSectionCommand
754 [
755     beforeskip=\@beforesecvspace,
756     afterskip=\@aftersecvspace,
757     indent=\dimexpr\@sepcolwidth+\@hintscolwidth,
758     font=\color{@subseccolor}\subsectionfont
759 ]{subsection}

```

Elements

As defined by the class.

10.3 The casual style

Fonts

```

760 \addtokomafont{firstnamefont}{\sffamily\fontsize{38}{40}}
761 \addtokomafont{acadtitlefont}{\sffamily}
762 \addtokomafont{addressfont}{\sffamily\small}
763 \addtokomafont{hintfont}{\sffamily}

```

Footer

```

764 \newsavebox\@fboxa
765 \newsavebox\@fboxb
766 \providecommand*\@sboxa[1]{\sbox\@fboxa{#1}}
767 \providecommand*\@sboxb[1]{\sbox\@fboxb{#1}}
768 \providecommand*\@uboxa{\usebox\@fboxa}
769 \providecommand*\@uboxb{\usebox\@fboxb}
770 \providecommand*\@flushf{\strut\@uboxa\@sboxa{}\@sboxb{}}

```

```

771 \providecommand*\addtofooter[2][\@fsymbol]{%
772 \sbox{\@uboxa}{#1#2}%
773 \settowidth\@fboxwidth{\@uboxb}%
774 \ifdimgreater{\@footerwidth}{\@fboxwidth}{%
775 \sbox{\@uboxb}
776 }{%
777 \@flushf\
778 \sboxa{#2}
779 \sboxb{#2}
780 }
781 }
782 \ifdimequal{\footerwidth}{0pt}{\setlength\@footerwidth{\footerwidth}}%
783 \defpagestyle{footer}
784 {}{}{}% head definition (empty)
785 {}% foot definition
786 {}{}% definition for twoside layout
787 {}% definition for oneside layout
788 \hspace*{\fill}%
789 \parbox{\@footerwidth}{%
790 \centering%
791 \color{\@addresscolor}\usefontofkomafont{addressfont}%
792 \ifdefempty{\addressstreet}{}%
793 \addtofooter[]{\@addresssymbol\addressstreet}%
794 \ifdefempty{\addresscity}{}%
795 \addtofooter[~---]{\addresscity}}%
796 \ifdefempty{\mobile}{}%
797 \addtofooter{\@mobilesymbol\mobile}}%
798 \ifdefempty{\phonenr}{}%
799 \addtofooter{\@phonesymbol\phonenr}}
800 \ifdefempty{\faxnr}{}%
801 \addtofooter{\@faxsymbol\faxnr}}%
802 \ifdefempty{\email}{}%
803 \addtofooter{\@emailsymbolsymbol\emailink{\email}}%
804 \ifdefempty{\homepage}{}%
805 \addtofooter{\@homepagesymbolsymbol\httplink{\homepage}}%
806 \ifdefempty{\twitter}{}%
807 \addtofooter{\@twittersymbolsymbol\twitter}}%
808 \ifdefempty{\github}{}%
809 \addtofooter{\@githubsymbolsymbol\github}}%
810 \ifdefempty{\facebook}{}%
811 \addtofooter{\@facebooksymbolsymbol\facebook}}%
812 \ifdefempty{\linkedin}{}%
813 \addtofooter{\@linkedsymbolsymbol\linkedin}}%
814 \ifdefempty{\extrainfo}{}%
815 \addtofooter{\extrainfo}\@flushf%
816 }% Ende parbox
817 \hspace*{\fill}%
818 \makebox[0pt][r]{\pagemark/\totalpagemark}
819 }% end definition onesided layout
820 }% end footer definition

```

Head / title

```
821 \providecommand\@cvttitlecasual{%
822 \newbox{\@picbox}
823 \savebox{\@picbox}{%
824 \ifundef{\@photoname}{}% with picture:
825 \ifthenelse{%
826 \equal{\@photoframe}{frame} \OR
827 \equal{\@photoframe}{mframe}
828 }{% with frame:
829 \fcolorbox{@framecolor}{@framebackcolor}{%
830 \includegraphics[width=\@photowidth]{\@photoname}%
831 }% end fcolorbox
832 }{% without frame:
833 \includegraphics[width=\@photowidth]{\@photoname}%
834 }% end ifdefstring frame
835 }% end ifundef photoname
836 }% end savebox picbox
837 \settowidth\@titlepicwidth{\usebox{\@picbox}}
838 \setlength\@titlenamewidth{\textwidth-\@titlesepwidth-\@titlepicwidth}
839
840 \usebox{\@picbox}%
841 \hspace*{\@titlesepwidth}%
842 \parbox[b]{\@titlenamewidth}{%
843 \raggedleft{\firstnamestyle\firstname}%
844 ~{\familynamestyle\familyname}\
845 \raggedleft\color{@firstnamecolor}\rule{\@titlenamewidth}{.25ex}\par
846 }% end parbox
847 \vspace{\@aftertitlevspace}
848 % optional acadtitle
849 \ifdefempty{\acadtitle}{}%
850 \raggedleft\acadtitlestyle{\acadtitle}\[2.5em]%
851 % optional quote
852 \ifdefempty{\cvquote}{}%
853 {\centering
854 \begin{minipage}{\@quotewidth}%
855 \centering\quotestyle{\cvquote}
856 \end{minipage}\[ \@afterquotevspace]%
857 }
858 }%
859 }% end \@cvttitle-casual
860
861 \AtBeginDocument{%
862 \thispagestyle{footer}
863 } % end \AtBeginDocument
```

Sections

```
864 \setcounter{secnumdepth}{1}
865
866 \RedeclareSectionCommand
```

```

867     [
868     beforeskip=\@beforesecvspace,
869     afterskip=\@aftersecvspace,
870     font=\color{@seccolor}\sectionfont
871     ]{section}
872 \renewcommand*{thesection}{\color{secbarcolor}\rule{@hintscolwidth}{1ex}\hspace{-1ex}\hspace{1ex}}
873
874 \RedeclareSectionCommand
875 [
876     beforeskip=\@beforesecvspace,
877     afterskip=\@aftersecvspace,
878     indent=\dimexpr\@sepcolwidth+\@hintscolwidth,
879     font=\color{@subseccolor}\subsectionfont
880     ]{subsection}

```

10.4 The oldstyle style

Lengths

```

881 \KOMAOptions{DIV=15}
882 \setlength{\hintscolwidth}{3cm}

```

Fonts

```

883 \addtokomafont{addressfont}{\small}
884 \addtokomafont{hintfont}{\bfseries}

```

Colors

```

885 \colorlet{addresscolor}{gray}

```

Symbols

```

886 \renewcommand*{\listitemsymbol}{\labelitemi~}
887 \renewcommand*{\addresssymbol}{\textbf{A}~}
888 \renewcommand*{\mobilesymbol}{\textbf{M}~}
889 \renewcommand*{\phonesymbol}{\textbf{T}~}
890 \renewcommand*{\faxsymbol}{\textbf{F}~}
891 \renewcommand*{\emailsymbol}{\textbf{E}~}
892 \renewcommand*{\homepagesymbol}{\textbf{H}~}

```

Infocolumn and title

```

893 \setlength{\infocolwidth}{3.5cm}
894 \setlength{\sepinfocolwidth}{2em}
895
896 \providecommand\@infocontent{%
897     \ifdefempty{\addressstreet}{\textbf{A}~}{%
898     \@titledetailsnewline%
899     \@addresssymbol\addressstreet%
900     \ifdefempty{\addresscity}{\textbf{C}~}{%
901     \@titledetailsnewline\addresscity}}%
902 \ifdefempty{\mobile}{\textbf{M}~}{%
903     \@titledetailsnewline\mobilesymbol~\mobile}%
904 \ifdefempty{\phonenumber}{\textbf{T}~}{%

```

```

905         \@titledetailsnewline \@phonesymbol\phonenr}%
906 \ifdefempty{\faxnr}{-}{%
907     \@titledetailsnewline\@faxsymbol\faxnr}%
908 \ifdefempty{\email}{-}{%
909     \@titledetailsnewline\@emailsymbolsymbol\emailink{\email}}%
910 \ifdefempty{\homepage}{-}{%
911     \@titledetailsnewline\@homepagesymbolsymbol\httplink{\homepage}}%
912 \ifdefempty{\twitter}{-}{%
913     \@titledetailsnewline\@twittersymbolsymbol~\twitter}%
914 \ifdefempty{\github}{-}{%
915     \@titledetailsnewline\@githubsymbolsymbol~\github}%
916 \ifdefempty{\facebook}{-}{%
917     \@titledetailsnewline\@facebooksymbolsymbol~\facebook}%
918 \ifdefempty{\linkedin}{-}{%
919     \@titledetailsnewline\@linkedinsymbolsymbol~\linkedin}%
920 \ifdefempty{\extrainfo}{-}{%
921     \@titledetailsnewline\extrainfo}%
922 } % end \@infocontent
923
924 \providecommand{\@makeinfo}{%
925     \newbox{\@infobox}%
926     \savebox{\@infobox}{%
927         \parbox[b]{\@infocolwidth}{%
928             % put the first line on the same baseline as the first sectiontitle:
929             {\usefontofkomafont{section}
930                 \vspace*{1.6ex}
931             }
932             \raggedleft\addressstyle{%
933                 \@infocontent%
934             }
935         }% end parbox
936     } % end savebox \@infobox%
937     \newlength{\@infoheight}%
938     \setlength{\@infoheight}{%
939         \totalheightof{\usebox{\@infobox}}%
940     }%
941     \usebox{\@infobox}\vspace*{-\@infoheight}%
942     \par\nointerlineskip%
943     \vspace*{-\parskip}%
944     \vspace*{-\@afterseccvspace}
945 }% end \providecommand \@makeinfo
946
947 \providecommand{\@cvttitleoldstyle}{%
948     % optional picture box
949     \newbox{\@picbox}
950     \savebox{\@picbox}{%
951         \ifundef{\@photoname}{-}{% with picture:
952             \ifthenelse{%
953                 \equal{\@photoframe}{frame} \OR
954                 \equal{\@photoframe}{mframe}

```



```

955         }{% with frame:
956             \fcolorbox{@framecolor}{@framebackcolor}{%
957                 \includegraphics[width=@photowidth]{\@photoname}%
958             }% end fcolorbox
959         }{% without frame:
960             \includegraphics[width=@photowidth]{\@photoname}%
961         }% end ifdefstring frame
962     }% end ifundef photoname
963 }% end savebox picbox
964 \settowidth\@titlepicwidth{\usebox{\@picbox}}
965 \setlength\@titlenamewidth{\textwidth-\@titlesepwidth-\@titlepicwidth}
966 \begin{minipage}[b]{\@titlenamewidth}%
967     \firstnamestyle{\firstname}\ %
968     \familynamestyle{\familyname}%
969     \ifdefempty{\acadtitle}{\ %
970         \[1.25em]\acadtitlestyle{\acadtitle}}%
971 \end{minipage}%
972 % optional photo
973 \usebox{\@picbox}%
974 \[\@aftertitlevspace]%
975 % optional quote
976 \ifdefempty{\cvquote}{\ %
977     {\centering%
978         \begin{minipage}{\@quotewidth}%
979             \centering\quotestyle{\cvquote}%
980         \end{minipage}}\[\@afterquotevspace]%
981     }%
982 }%
983 % address info box
984 \@makeinfo
985 \par
986 \begin{addmargin}[\komacvinfoleextrawidth]{Opt}
987     } % end \@cvttitleoldstyle
988
989 \AtEndDocument{%
990     \end{addmargin}
991 }

```

Sections

```

992 \setcounter{secnumdepth}{0}
993
994 \RedeclareSectionCommand
995 [
996     beforekip=\@beforesecvspace,
997     afterskip=\@aftersecvspace,
998     font=\color{@seccolor}\sectionfont
999 ]{section}
1000
1001 \RedeclareSectionCommand
1002 [

```

```

1003     beforeskip=\@beforesecvspace,
1004     afterskip=\@aftersecvspace,
1005     font=\color{@subseccolor}\subsectionfont
1006     ]{subsection}

```

Elements

```

1007     \renewcommand*{\cvitem}[3][\@afterelementsvspace]{%
1008     \begin{tabular}{%
1009     @{}p{\@maincolwidth}%
1010     @{\hspace{\@sepcolwidth}}p{\@hintscolwidth}@{}%
1011     }%
1012     {#3} & \RaggedRight\hintstyle{#2}%
1013     \end{tabular}\@#1}%
1014     }
1015
1016     \renewcommand*{\cvdoubleitem}[5][\@afterelementsvspace]{%
1017     \cvitem[#1]{#4}{%
1018     \begin{minipage}[t]{\@dbitemmaincolwidth}#3\end{minipage}%
1019     \hspace*{\@sepcolwidth}%
1020     \begin{minipage}[t]{\@hintscolwidth}%
1021     \noindent\raggedleft\hintstyle{#2}
1022     \end{minipage}%
1023     \hspace*{\@sepcolwidth}%
1024     \begin{minipage}[t]{\@dbitemmaincolwidth}%
1025     \noindent #5
1026     \end{minipage}%
1027     }%
1028     }

```

Change History

v1.0	
General: Initial version	1
v1.0.1	
General: Installation problem fixed	1
v1.1	
<code>\headline</code> : Default font size changed, due to new font <code>headlinefont</code>	4
New macro <code>headline</code> , and new correspondent elements	
<code>headlinestyle</code> , <code>headlinecolor</code> , <code>headlinefont</code>	4
General: <code>\usefontofkomafont</code> instead of <code>\usekomafont</code> , avoiding	
unintended side effects	13
Added macros and symbols for social media	18
Definition of <code>\section</code> and <code>\subsection</code> changed, mainly to	
avoid pagebreaks (all styles)	28
Lengths <code>\beforesecvspace</code> , <code>\aftersecvspace</code> ,	
<code>\beforesubsecvspace</code> and <code>\aftersubsecvspace</code> added to <code>\section</code>	
and <code>\subsection</code> definitions	24
Linebreaks (hyphenation and no justification in narrow lines)	
improved with <code>ragged2e</code> .	12
New user length <code>\titlenamemaxwidth</code>	13
Option <code>headline</code> added; user length <code>titlenamemaxwidth</code> ;	
behavior of sections and subsections improved; several bugfixes	1
<code>scrlayer-scrpage</code> instead of the obsolete <code>scrpage2</code>	12
Vertical space between name and academic title adjusted	20
v1.1.1	
General: Typos in the documentation and minor bugs fixed	1

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