

The frontpage package

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1 Introduction

The package creates a front page.

2 Install

```
latex frontpage.ins
bash install.sh
```

3 Usage

```
\title{The frontpage package}
\subtitle{an MH-package}
\abstracttitle{The frontpage package}
\author[marc@heijn-buis.demon.nl]{Marc Heijn}
\date{October 12, 2023}
\what{package}
\programme{Homebrew packages}
\coverimage{%
\vspace*{-4cm}
\includegraphics[width=\textwidth]{zwaluw_r}
\vspace*{-5cm}
}

\makefrontpage
\maketitle
```

Homebrew packages

package

The frontpage package

by

M. Heijn

October 12, 2023



4 Implementation

4.1 frontpage

```
1 \newif\if@dutchlanguage \@dutchlanguagefalse
2 \newif\if@generic \@generictrue
3 \RequirePackage{graphicx}

+++++ COLOR +++++
4 \RequirePackage{xcolor}
5 \definecolor{rulecolor}{rgb}{0.08, 0.38, 0.74}
6 \RequirePackage{authblk}

\supervisortext
7 \def\supervisortext{Supervisor}

\titletext
8 \def\titletext{Title}

\authortextsingular
9 \def\authortextsingular{Author}

\authortextplural
10 \def\authortextplural{Authors}

\datetext
11 \def\datetext{Date}

\bytext
12 \def\bytext{by}

\tracktext
13 \def\tracktext{Track}

\secondgradertext
14 \def\secondgradertext{Second examiner}

\logosize
15 \def\logosize{5cm}

\departmenttext
16 \def\departmenttext{\relax}

\universitytext
17 \def\universitytext{\relax}

\logopicture
18 \def\logopicture{\relax}
```

```

\facultytext
19 \def\facultytext{\relax}

\universityaddress
20 \def\universityaddress{\relax}

\website
21 \def\website{\relax}

22 \DeclareOption{dutch}{
23     \@dutchlanguage>true

Dutch values for translatable constant text
24     \def\supervisortext{Begeleider}
25     \def\titletext{Titel}
26     \def\authortextsingular{Auteur}
27     \def\authortextplural{Auteurs}
28     \def\datetext{Einddatum}
29     \def\bytext{door}
30     \def\tracktext{Richting}
31     \def\secondgradertext{Tweede beoordelaar}
32 }

33 \DeclareOption{vu}{% VU specific values

\logosize
34 \def\logosize{1.5cm}

35 \@genericfalse

\website
36 \def\website{http://www.math.vu.nl/}

\universityaddress
37 \def\universityaddress{de Boelelaan 1111, 1081 HV Amsterdam}

38 \if@dutchlanguage
39     \def\logopicture{vu/VU-logo2.png}
40     \def\departmenttext{Afdeling Wiskunde}
41     \def\facultytext{Faculteit der Exacte Wetenschappen}
42     \def\universitytext{Vrije Universiteit Amsterdam}
43 \else
44     \def\logopicture{vu/VU-logo2.png}
45     \def\departmenttext{Department of Mathematics}
46     \def\facultytext{Faculty of Sciences}
47     \def\universitytext{Vrije Universiteit Amsterdam}
48 \fi
49 }

50 \DeclareOption{uva}{% UvA specific values
51 \@genericfalse

```

```

\logosize
52 \def\logosize{1.5cm}

\website
53 \def\website{http://math.vu.nl/}

\universityaddress
54 \def\universityaddress{de Boelelaan 1111, 1081 HV Amsterdam}

55 \if@dutchlanguage
56 \def\logopicture{uvalogo-nl}
57 \def\departmenttext{Korteweg-de Vries Instituut voor Wiskunde}
58 \def\facultytext{Faculteit der Natuurwetenschappen, Wiskunde en Informatica}
59 \def\universitytext{Universiteit van Amsterdam}
60 \else
61 \def\logopicture{uvalogo-en}
62 \def\departmenttext{Korteweg-de Vries Institute for Mathematics}
63 \def\facultytext{Faculty of Science}
64 \def\universitytext{University of Amsterdam}
65 \fi
66 }
67 \ProcessOptions\relax

\subtitle Variable text commands
68 \def\subtitle#1{\gdef\@subtitle{#1}}

\institute
69 \def\institute#1{\gdef\@institute{#1}}

\instituteaddress
70 \def\instituteaddress#1{\gdef\@instituteaddress{#1}}

\coverimage
71 \def\coverimage#1{\gdef\@coverimage{#1}}

\abstracttitle
72 \def\abstracttitle#1{\gdef\@abstracttitle{#1}}

\what
73 \def\what#1{\gdef\@what{#1}}

\track
74 \def\track#1{\gdef\@track{#1}}

\programme
75 \def\programme#1{\gdef\@programme{#1}}

\supervisor
76 \def\supervisor#1{\gdef\@supervisor{#1}}

```

```

77 \supervisor{\relax}

\secondgrader
78 \def\secondgrader#1{\gdef\@secondgrader{#1}}

79 \secondgrader{\relax}
80 \coverimage{}
81 \what{}
82 \track{\relax}
83 \subtitle{\relax}
84 \programme{\relax}
85 \supervisor{\relax}
86 \secondgrader{\relax}
87 \RequirePackage{authblk}

\MH@authors
88 \def\MH@authors{}

\author
89 \renewcommand\author[2][]{%

90     {\ifnewaffil\addtocounter{affil}{1}%
91       \edef\AB@thenote{\arabic{affil}}\fi
92     \if\relax#1\relax\def\AB@note{\AB@thenote}\else\def\AB@note{#1}%
93       \setcounter{Maxaffil}{0}\fi
94     \ifnum\value{authors}>1\relax
95       \@namedef{@sep\number\c@authors}{\Authsep}\fi
96     \addtocounter{authors}{1}%
97     \begingroup
98       \let\protect\@unexpandable@protect \let\and\AB@pand
99       \def\thanks{\protect\thanks}\def\footnote{\protect\footnote}%
100     \@temptokena=\expandafter{\AB@authors}%
101     {\def\{\{\protect\[\@affilsep\}\protect\Affilfont
102       \protect\AB@resetsep}%
103       \xdef\AB@author{\AB@blk@and#2}%
104     \ifnewaffil\gdef\AB@las{}\gdef\AB@lasx{\protect\Authand}\gdef\AB@as{}%
105       \xdef\AB@authors{\the\@temptokena\AB@blk@and}%
106     \else
107       \xdef\AB@authors{\the\@temptokena\AB@as\AB@au@str}%
108       \global\let\AB@las\AB@lasx\gdef\AB@lasx{\protect\Authands}%
109       \gdef\AB@as{\Authsep}%
110     \fi
111     \gdef\AB@au@str{#2}}%
112     \@temptokena=\expandafter{\AB@authlist}%
113     \let\=\authorcr
114     \xdef\AB@authlist{\the\@temptokena
115       \protect\@nameuse{@sep\number\c@authors}%
116       \protect\Authfont#2\AB@authnote{\AB@note}}%

```

```

117     \ifnum\value{authors}>1\relax
118         \xdef\MH@authors{\MH@authors, #2}
119     \else
120         \gdef\MH@authors{#2}
121     \fi
122     \endgroup
123     \ifnum\value{authors}>2\relax
124     \@namedef{@sep\number\c@authors}{\Authands}\fi
125     \newaffilfalse
126 }

```

\makefrontpage

```

127 \newcommand{\makefrontpage}{
128   %% \typeout{\MH@authors}
129   \@ifundefined{hypersetup}{\relax}{%
130     \hypersetup{
131       pdftitle={\@title},
132       pdfsubject={\@programme\ \@track\ \@what},
133       pdfauthor={\MH@authors}
134     }%
135     %% \pdfsetup
136     \thispagestyle{empty}
137     \vspace*{1pt}
138     {\centering
139       \if\@programme\relax
140       \else {\Large\@programme\par}
141       \if\@track\relax\else\medskip{\large\tracktext: \@track\par}\fi
142       \bigskip\fi
143       {\Large \textit{\@what}\par}\bigskip\medskip
144       {\color{rulecolor}\hrule\@height2pt}\bigskip
145       {\LARGE \textbf{\normalfont\bfseries \@title}\par}
146       \bigskip
147       {\color{rulecolor}\hrule\@height2pt}\bigskip\medskip
148       {\large \btext\par}\medskip
149       %%%%%%%%%
150       \setbox0=\hbox{\MH@authors}\ifdim\wd0=0pt\relax\else{\LARGE \MH@authors\\}\bigskip\fi
151       %% {\LARGE \MH@authors\\}\bigskip
152       {\large \@date\par}\bigskip\bigskip\bigskip
153       \setbox0=\hbox{\@supervisor}\ifdim\wd0=0pt\relax\else{\large\supervisortext: \@supervisor\par}
154       \setbox0=\hbox{\@secondgrader}\ifdim\wd0=0pt\relax\else{\large\secondgradertext: \@secondgrade
155       \vspace{\stretch{1}}
156       \@coverimage
157       \vspace{\stretch{1}}
158       \@institute
159     }
160     \cleardoublepage
161   }

162 \if@titlepage

```

```

163 \let\@maketitle=\maketitle%
164 \renewcommand\maketitle{\begin{titlepage}%
165 \@ifundefined{hypersetup}{\relax}{%
166 \hypersetup{
167 pdftitle={\@title},
168 pdfsubject={\@programme\ \@track\ \@what},
169 pdfauthor={\MH@authors}
170 }}%
171 %% \pdfsetup
172 \@maketitle
173 \thispagestyle{empty}
174 \vspace*{1pt}
175 {\centering
176 \if\@programme\relax
177 \else {\Large\@programme\par}
178 \if\@track\relax\else\medskip{\large\tracktext: \@track\par}\fi
179 \bigskip\fi
180 {\Large \textit{\@what}\par}\bigskip\medskip
181 {\color{rulecolor}\hrule\@height2pt}\bigskip
182 {\LARGE \textbf{\normalfont\bfseries \@title}\par}
183 \bigskip
184 {\color{rulecolor}\hrule\@height2pt}\bigskip\medskip
185 {\large \bytext\par}\medskip
186 %%%
187 \setbox0=\hbox{\MH@authors}\ifdim\wd0=0pt\relax\else{\LARGE \MH@authors\\}\bigskip\fi
188 %% {\LARGE \MH@authors\\}\bigskip
189 {\large \@date\par}\bigskip\bigskip\bigskip
190 \setbox0=\hbox{\@supervisor}\ifdim\wd0=0pt\relax\else{\large\supervisortext: \@supervisor\par}
191 \setbox0=\hbox{\@secondgrader}\ifdim\wd0=0pt\relax\else{\large\secondgradertext: \@secondgrade}
192 \vspace{\stretch{1}}
193 \@coverimage
194 \vspace{\stretch{1}}
195 \@institute
196 }
197 \end{titlepage}%
198 }
199 \fi

```

Default values for variable text

```

200 \institute{
201 \if\logopicture\relax\else%
202 {\raggedleft\includegraphics[height=\logosize]{\logopicture}\vspace{-\logosize}\\}\fi%
203 {\raggedright
204 \if\departmenttext\relax\else\departmenttext\\smallskip\fi%
205 \if\facultytext\relax\else\if@generic\else \facultytext\\ \fi\fi%
206 }}
207 \instituteaddress{%
208 \if\departmenttext\relax\else\departmenttext\\fi%
209 \if\universitytext\relax\else\universitytext\\fi%
210 %% \universityaddress\\

```



```

211 \if\universityaddress\relax\else\if@generic\else \universityaddress\\ \fi\fi%
212 \if\website\relax\else\url{\website}{}\fi%
213 }

```

4.2 frontpage.ltxml

```

214 # -*- mode: Perltidy -*-
215 # LaTeXML bindings for frontpage.sty
216 use LaTeXML::Package; # to load these definitions
217 use strict;
218 use warnings;
219 DefMacro('\makefrontpage','\relax');
220 DefMacro('\abstracttitle{}','\gdef\@abstracttitle{#1}');
221 DefMacro('\coverimage{}','');
222 DefMacro('\secondgrader{}','');
223 DefMacro('\what{}','');
224 DefMacro('\supervisor{}','');
225 DefMacro('\programme{}','');
226 1;

```