

The `simplecv` class*

Jean-Marc Lasgouttes
`Jean-Marc.Lasgouttes@inria.fr`

August 4, 2008

1 Introduction

The `simplecv` document class is intended to provide a simple yet elegant way to write your curriculum vitae (resume). This is a repackaging of the `cv` class that has been available with `LyX` for a long time. The change of name has been made necessary by the existence of another `cv` class on CTAN.

Before I delve into the details, I would like to thank Amir Karger, Reuben Thomas and Dekel Tsur for their help and tips.

2 Basic Usage

2.1 Class options

The document class accepts some options (along with the usual `article` class ones). The first set allows to select a style (a set of fonts):

`sf` `sf` (default) produce title and headers in sans serif fonts;

`plain` `plain` produce all output with roman fonts.

The rest of the options may be useful according to one's tastes.

`notopicbreak` `notopicbreak` do not add a line break after long topic labels;

`contbibnum` `contbibnum` let the numbering of bibliography items be continuous when there are several thebibliography environments;

`titleabove` `titleabove` output the title above the left and right headers, not below;

`topictitle` `topictitle` let the first paragraph after each `\item` have font `\topictitlefont`, and therefore act as a kind of title.

2.2 The header of the CV

The macros below can be used to typeset the top of the CV.

`\lefthead` `\lefthead[pos]{text}` defines what should appear in the upper left of the first page. *text* may contain `\\` to break lines. *pos* can be `l`, `r` or `c` and specifies the horizontal alignment (default is `l`).

`\righthead` `\righthead[pos]{text}` is like `\lefthead`, but for the upper right of

*This document corresponds to `simplecv` v1.6, dated 2007/04/22.

the first page.

`\title` `\title{<text>}` defines a title, that will appear centered below the headers
`\maketitle` (or above, if the `titleabove` option is used). `\maketitle` actually typesets the header.

2.3 Topics

The CV is divided in topics (and in some cases subtopics). In order to introduce these, the `\section` and `\subsection` macros are reused.

`\section` `\section{<text>}` gives a title for a new topic of the CV and `\subsection{<text>}`
`\subsection` does the same for a sub-topic. There are no other sectioning levels.

`topic` The `topic` environment begins an itemize-like environment where the argument of `\item[]` is typeset in font `\topiclabelfont`. A line break is automatically inserted if the label is too long to fit in the margin (this can be controlled by option `notopicbreak`).

2.4 Miscellaneous

`thebibliography` The `simplecv` document class also has some support for bibliography. You can use the `thebibliography` environment as usual, in particular with BibTeX. The output is similar to the `topic` environment. If you separate your bibliography into several sections, you may want to use the `contbibnum` document class option.

 Note that this class also has support for right-to-left languages, such as hebrew (courtesy Dekel Tsur).

3 Customization

You can modify directly the fonts used in the document by using the following macros. They take one parameter which is the font changing command.

`\headerfont` `\headerfont` the font used in both headers. Defaults to sans serif.

`\titlefont` `\titlefont` the font used for the title. Defaults to LARGE sans-serif semi bold condensed.

`\sectionfont` `\sectionfont` the font used by `\section` when beginning a new topic. Defaults to sans-serif semi bold condensed.

`\subsectionfont` `\subsectionfont` the font used by `\subsection` when beginning a new topic. Defaults to sans-serif semi bold condensed.

`\topiclabelfont` `\topiclabelfont` the font used for the items' labels. Defaults to sans-serif slanted.

`\topictitlefont` `\topictitlefont` the font used for the items' titles (with option `topictitle`). Defaults to sans-serif slanted.

 You can modify the following parameter using `\renewcommand`

`\topicmargin` `\topicmargin` the left margin inside topics. Defaults to 20% of the column width (`0.20\columnwidth`).

4 The Implementation

The fonts used in the layout

```
\sectionfont
\subsectionfont 1 (*class)
\topiclabelfont 2 \newcommand{\sectionfont}[1]{\def\cv@sec@fnt{#1}}
\topictitlefont 3 \newcommand{\subsectionfont}[1]{\def\cv@ssec@fnt{#1}}
\headerfont 4 \newcommand{\topiclabelfont}[1]{\def\cv@tlab@fnt{#1}}
\titlefont 5 \newcommand{\topictitlefont}[1]{\def\cv@ttit@fnt{#1}}
6 \newcommand{\headerfont}[1]{\def\cv@hd@fnt{#1}}
7 \newcommand{\titlefont}[1]{\def\cv@tit@fnt{#1}}
```

for compatibility

```
8 \let\itemfont=\topiclabelfont
```

Some document class options.

```
9 \DeclareOption{sf}{
10 \sectionfont{\sffamily\fontseries{sbc}\selectfont}
11 \subsectionfont{\sffamily\fontseries{sbc}\selectfont}
12 \topiclabelfont{\sffamily\slshape}
13 \topictitlefont{\sffamily\slshape}
14 \headerfont{\sffamily}
15 \titlefont{\sffamily\fontseries{sbc}\selectfont\LARGE}
16 }
17 \DeclareOption{plain}{
18 \sectionfont{\bfseries}
19 \subsectionfont{\bfseries}
20 \topiclabelfont{\itshape}
21 \topictitlefont{\itshape}
22 \headerfont{}
23 \titlefont{\bfseries\LARGE}
24 }
25 \newif\if@cv@topic@title \@cv@topic@titlefalse
26 \DeclareOption{topictitle}{
27 \@cv@topic@titetrue
28 }
29 \newif\if@cv@topic@break \@cv@topic@breaktrue
30 \DeclareOption{notopicbreak}{
31 \@cv@topic@breakfalse
32 }
33 \newif\if@cv@cont@bib@num \@cv@cont@bib@numfalse
34 \DeclareOption{contbibnum}{
35 \@cv@cont@bib@numtrue
36 \newcounter{cv@save@bib@num}
37 }
38 \newif\if@cv@title@above \@cv@title@abovefalse
39 \DeclareOption{titleabove}{
40 \@cv@title@abovetrue
41 }
42 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
43 \ExecuteOptions{sf,letterpaper,10pt,oneside,onecolumn,final}
44 \ProcessOptions
45 \LoadClass{article}
```

Support for RTL (Hebrew). This will be defined and set by babel for RtL languages, but we define it here for the benefit of others.

```
46 \newif\if@rl
```

`\leftheader` The left and right headers. These are just saved in macros for use by `\maketitle`.
`\rightheader`

```
47 \newcommand{\leftheader}[2][1]{\def\cv@lh@lr{#1}\def\cv@lh{#2}}
48 \newcommand{\rightheader}[2][1]{\def\cv@rh@lr{#1}\def\cv@rh{#2}}
```

`\title` The title (like “Curriculum Vitae” or the name of the author). It is just saved in a macro for use by `\maketitle`.

```
49 \renewcommand{\title}[1]{\def\cv@tit{#1}}
```

Default to empty.

```
50 \leftheader{}\rightheader{}\title{}
```

`\maketitle` And now a command to actually show the headers

```
51 \newcommand{\cv@header}[2]{%
52     \if@rl%
53         \begin{tabular}[t]{@{\cv@hd@fnt\beginR}#1@{\endR}}%
54     \else%
55         \begin{tabular}[t]{@{\cv@hd@fnt}#1@{}}%
56     \fi%
57     #2%
58     \end{tabular}}
59 \newcommand{\cv@do@title}{\par\bigskip
60     \begin{center} \cv@tit@fnt\cv@tit\end{center}}
61 \renewcommand{\maketitle}{%
62     \ifcv@title@above\cv@do@title\fi
63     \par\noindent%
64     \begin{tabular*}{\textwidth}{@{}l@{\extracolsep{\fill}}l@{}}
65     \cv@header{\cv@lh@lr}{\cv@lh}&\cv@header{\cv@rh@lr}{\cv@rh}
66     \end{tabular*}
67     \par
68     \ifcv@title@above\else\cv@do@title\fi
69     \bigskip\par}
```

`\section` Redefine `\section` to use `\cv@sec@fnt`

```
70 \renewcommand{\section}{%
71     \@startsection{section}{1}{\z@
72         {-3.5ex \@plus -1ex \@minus -.2ex}
73         {2.3ex \@plus .2ex}{\cv@sec@fnt}}
```

`\subsection` Now the subsection

```
74 \renewcommand{\subsection}{%
75     \@startsection{subsection}{1}{3em}
76     {-3.5ex \@plus -1ex \@minus -.2ex}
77     {2.3ex \@plus .2ex}{\cv@ssec@fnt}}
```

the other ones do not exist.

```
78 \let\subsubsection=\relax
```

```
79 \let\paragraph=\relax \let\subparagraph=\relax
```

```

we do not want any numbering
80 \setcounter{secnumdepth}{0}

\topicmargin The left margin for topics
81 \newcommand{\topicmargin}{0.20\columnwidth}
82 \newlength{\t@picmargin}

topic Define the topic environment.
      First the macros that typeset the label.
83 \newcommand{\@topic@makelabel}[1]{\cv@tlab@fnt #1\hfill}
84 \let\@topic@old@item=\@item
85 \newlength{\topic@label@length}
86 \def\@topic@item[#1]{%
87     \@topic@old@item[#1]%
88     \ifcv@topic@break%
89         \settowidth{\topic@label@length}{#1}%
90         \ifdim\topic@label@length>\labelwidth\mbox{}\!\!\fi%
91     \fi%
92     \ifcv@topic@title%
93         \mbox{}\cv@ttit@fnt%
94         \everypar\expandafter{\the\everypar \normalfont}%
95     \fi%
96 }
97 \newcommand{\@topic@setup}{%
98     \setlength{\t@picmargin}{\topicmargin}
99     \if@rl%
100         \setlength{\leftmargin}{0cm}%
101         \setlength{\rightmargin}{\t@picmargin}%
102     \else%
103         \setlength{\leftmargin}{\t@picmargin}%
104         \setlength{\rightmargin}{0cm}%
105     \fi%
106     \setlength{\labelwidth}{0.8\t@picmargin}%
107     \let\makelabel=\@topic@makelabel%
108 }
109 \newenvironment{topic}
110     {\list{}
111         {\@topic@setup%
112             \let\@item=\@topic@item}}
113     {\endlist}

thebibliography Redefine the thebibliography environment to look like the topic environment. The
                  argument of thebibliography is ignored. In older versions, the environment pro-
                  duced its own \section command, but this was removed in version 1.3 (following
                  an idea of Reuben Thomas).
114 \renewenvironment{thebibliography}[1]
115     {\list{\@biblabel{\theenumiv}}{%
116         \@topic@setup%
117         \@openbib@code%
118         \usecounter{enumiv}%
119         \let\p@enumiv\@empty%
120         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
121     \ifcv@cont@bib@num%

```

```

122         \setcounter{enumiv}{\value{cv@save@bib@num}}%
123         \fi%
124     \sloppy \clubpenalty 4000 \widowpenalty 4000 \sfcode'\.=\@m}%
125 {\endlist%
126     \if@cv@cont@bib@num%
127         \setcounter{cv@save@bib@num}{\value{enumiv}}%
128     \fi}
129 \end{class}

```