# The leaflet document class

Jürgen Schlegelmilch

Hubert Gäßlein Walter Schmidt Rolf Niepraschk

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### Contents

1	Usa	${f ge}$	1
2	Imp	plementation	1
	2.1	Saving some internal macros	1
	2.2	Option processing	1
	2.3	Changing the class properties	6
	2.4	Changing the page dimensions	8
	2.5	Additional user macros	ć
	2.6	Page construction and output	10
		2.6.1 Intercepting the small pages	10
		2.6.2 Generating missing small pages	11
		2.6.3 Reassembling the small pages	12

### 1 Usage

Process the file leaflet-manual.tex with LATEX to see details of usage and layout.

# 2 Implementation

1 (\*class)

#### 2.1 Saving some internal macros...

- 2 \let\LL@shipout\shipout \let\LL@outputpage\@outputpage
- 3 \let\LL@begindvi\@begindvi \let\LL@@end\@@end

#### 2.2 Option processing

- ${\tt 4 \@ifundefined{iflandscape}{\newif\iflandscape}{}}\%$
- 5 \@ifundefined{iftumble}{\newif\iftumble}{}%
- 6 \@ifundefined{iftwopart}{\newif\iftwopart}{}%
- 7 \@ifundefined{iffoldcorr}{\newif\iffoldcorr}{}%
- 9 \newcommand\LL@debug@info[1]{}%
- $10 \end{Approx} $$10 \end{Ap$
- 12 \DeclareOption{vtex}{\PassOptionsToPackage{\CurrentOption}{graphics}}
- $13 \end{areOption} {\tt Avipdfm} {\tt NassOptionsToPackage} {\tt CurrentOption} {\tt graphics} {\tt Avipdfm} {\tt CurrentOption} {\tt Graphics} {\tt$
- 14 \DeclareOption{twoside}{\OptionNotUsed}
- 15 \DeclareOption{twocolumn}{\OptionNotUsed}
- 16 \DeclareOption{landscape}{\landscapetrue}
- 17 \DeclareOption{portrait}{\landscapefalse}
- 18 \DeclareOption{debug}{\let\LL@debug@info\typeout}
- 19 \DeclareOption{twopart}{\twoparttrue}
- 20 \DeclareOption{notwopart}{\twopartfalse}
- 21 \DeclareOption{nospecialtricks}{%
- 22 \AtEndOfClass{%

```
23
                                                                       \ifl.I.@combine
                                                                             \let\immediate\@@@immediate\let\write\@@@write
                                                     24
                                                                             \let\openout\@@@openout\let\closeout\@@@closeout
                                                     25
                                                                             \let\special\@@@special\let\@@@exec@outs\relax
                                                     26
                                                    Some paper sizes are not supported by the article class. Hence this work-around. These page
\LL@setPaperSize
                                                     dimensions must be given in landscape orientation!
                                                     28 \newcommand*\LL@setPaperSize{}
                                                     29 \DeclareOption{a3paper}{\def\LL@setPaperSize{%
                                                                 \paperwidth=420mm\paperheight=297mm\relax}}%
                                                     31 \@ifdefinable\ifLL@combine{\newif\ifLL@combine}
                                                     32 \DeclareOption{combine}{\LL@combinetrue}
                                                     33 \DeclareOption{nocombine}{\LL@combinefalse}
\LL@selectOutput
                                                     34 \newcommand*\LL@selectOutput{}
                                                     35 \DeclareOption{frontside}{\def\LL@selectOutput#1#2{#1}}
                                                     36 \DeclareOption{backside}{\def\LL@selectOutput#1#2{#2}}
                                                     38 \DeclareOption{tumble}{\tumbletrue}
                                                     39 \DeclareOption{notumble}{\tumblefalse}
            \LL@foldmark Drawing code for the fold mark. (Will be called within a picture environment.)
                                                     40 \newcommand*\LL@foldmark{}
                                                     41 \DeclareOption{foldmark}{%
                                                                \def\LL@foldmark{%
                                                     42
                                                                       \begingroup
                                                     43
                                                                             \linethickness{\LenToUnit{\foldmarkrule}}%
                                                     44
                                                                             \@tempdima=\dimexpr\paperheight-\LL@tmargin
                                                     45
                                                                             \put(0,\LenToUnit{\@tempdima}){%
                                                     46
                                                     47
                                                                                   \label{line(0,-1)} $\line(0,-1)_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-1)}_{\line(0,-
                                                     48
                                                                       \endgroup}%
                                                     49 }
                                                     50 \DeclareOption{nofoldmark}{\def\LL@foldmark{}}%
                                                     51 \DeclareOption{foldcorr}{\foldcorrtrue}
                                                     52 \DeclareOption{nofoldcorr}{\foldcorrfalse}
                                                     53 \newcommand*\LL@toomanypages[2]{}
                                                     54 \ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\
                                                                \AtEndOfClass{%
                                                                       \def\LL@toomanypages#1#2{%
                                                     56
                                                                                   \verb|\ClassWarningNoLine{leaflet}{#1.\MessageBreak#2}}||%
                                                     57
                                                     58
                                                              }%
                                                     59 }
                                                     60 \label{lem:constant} $$60 \DeclareOption{final}{\PassOptionsToClass{\CurrentOption}{article}\%$ $$
                                                               \AtEndOfClass{%
                                                     62
                                                                      \ifLL@combine
                                                     63
                                                                             \def\LL@toomanypages#1#2{%
                                                                                   \ClassError{leaflet}{#1}{#2.}}%
                                                     64
                                                     65
                                                                      \else
                                                                             \def\LL@toomanypages#1#2{%
                                                                                   \ClassWarningNoLine{leaflet}{#1.\MessageBreak#2}}%
                                                     67
                                                     68
                                                                       \fi
                                                               }%
                                                     69
                                                    70 }
                                                     71 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
                                                     72 \PassOptionsToClass{landscape,a4paper}{article}
                                                     73 \ExecuteOptions{tumble,foldmark,bothsides,combine,landscape,notwopart}
                                                     74 \ProcessOptions\relax
                                                     75 \ifLL@combine
```

```
\LL@rotate@I Rotates the output pages.
  \LL@rotate@II
                      \newcommand*\LL@rotate@I{}\newcommand*\LL@rotate@II{}%
                 77
                      \iflandscape
                 78
                        \def\LL@rotate@I#1{#1}%
                        \iftumble
                 79
                          \def\LL@rotate@II#1{\rotatebox[origin=c]{180}{#1}}%
                 80
                        \else
                 81
                          \def\LL@rotate@II#1{#1}%
                 82
                        \fi
                 83
                      \else
                 84
                        \def\LL@rotate@I#1{\rotatebox[origin=c]{90}{#1}}%
                 85
                 86
                          \def\LL@rotate@II#1{\rotatebox[origin=c]{270}{#1}}%
                 87
                        \else
                 88
                          \def\LL@rotate@II#1{\rotatebox[origin=c]{90}{#1}}%
                 89
                        \fi
                 90
                     \fi
                 91
                 Im Folgenden definieren wir die TFX primitives \immediate, \write, \openout und \closeout
     \immediate
                 um. Alle nicht "immediate" ausgeführten Anweisungen werden dem Makro \@@@pending@outs
         \write
                 (Kommaliste) hinzugefügt. So können speziell die \write-Anweisungen unabhängig von TFX's
       \openout
                 \shipout zu einem günstigen Zeitpunkt ausgeführt werden. For VTFX we must keep in mind
      \closeout
                 that \immediate\special exist.
                      \def\@@@pending@outs{}\let\@@@immediate\immediate
                      \let\@@@write\write \let\@@@special\special
                 93
                      \let\@@@openout\openout \let\@@@closeout\closeout
                 94
                      \def\immediate{%
                 95
                        \let\write\immediate@write%
                 96
                        \let\openout\immediate@openout%
                 97
                        \let\closeout\immediate@closeout%
                 98
                        \let\special\immediate@special}%
                 99
                      \def\reset@immediate{%
                100
                        \let\write\pending@write%
                101
                        \let\openout\pending@openout%
                102
                        \let\closeout\pending@closeout%
                103
                104
                        \let\special\@@@special}%
                     \long\def\pending@write#1#{\pending@@write{#1}}
                105
                     \def\immediate@write{%
                106
                        \reset@immediate\@@@immediate\@@@write}%
                107
                      \def\immediate@openout{%
                108
                        \reset@immediate\@@@immediate\@@@openout}%
                109
                      \def\immediate@closeout{%
                110
                        \reset@immediate\@@@immediate\@@@closeout}%
                111
                      \def\immediate@special{%
                112
                        \reset@immediate\@@@immediate\@@@special}%
                113
                114
                      \let\write\pending@write
                115
                      \let\openout\pending@openout
                     \let\closeout\pending@closeout
                116
                Makes our redefined primitives more like "whatsits" (???). '\special{}' is also possible for
\@dummy@whatsit
                 pdfTFX but we get a lot of strange warnings ("Non-PDF special ignored!") in this case.
                      \def\@dummy@whatsit{\special{}}
                117
                118
                      \begingroup\@ifundefined{pdfoutput}%
                      {\endgroup}
                119
                120
                       \ifnum\pdfoutput>\z@\def\@dummy@whatsit{\pdfliteral{}}\fi}
                      \begingroup\expandafter\expandafter\expandafter\endgroup
                      \expandafter\ifx\csname eTeXversion\endcsname\relax
                123
                        %%% Test is from Markus Kohm (d.c.t.t, 29 Jun 2004)
                124
                125
                        \ClassWarningNoLine{leaflet}{%
                        ********************************MessageBreak
                126
```

\* It's very recommended to use eTeX \MessageBreak

```
\MessageBreak
                                  128
                                                * with this package!
                                  129
     \pending@@write Doesn't work correctly without any \mark or \special or \pdfliteral command inside.
                                                \long\def\pending@@write#1#2{%
                                  130
                                                    \@dummy@whatsit
                                  131
                                                    \g@addto@macro\@@@pending@outs{\@@@immediate\@@@write\number#1{#2},}}%
                                   132
   \pending@openout
                                  133
                                                \def\pending@openout#1 {%
                                                    \@dummy@whatsit
                                  134
                                                    \g@addto@macro\@@@pending@outs{\@@@immediate\@@@openout\number#1,}}%
                                  135
 \pending@closeout
                                  136
                                                \def\pending@closeout#1{%
                                  137
                                                    \@dummy@whatsit
                                                    \g@addto@macro\@@@pending@outs{\@@@immediate\@@@closeout\number#1,}}%
                                  138
         \@@@exec@outs
                                  Note to this implementation: The out commands and the page breaks are not allways in sync,
                                    which means possible wrong page references.
                                                \newcommand*\@@@exec@outs{%
                                  139
                                  140
                                                    \@@@pending@outs\gdef\@@@pending@outs{}%
                                  141
                                                    \LL@debug@info{%
                                                       >>> execute the output commands of the current page <<<}}%
                                  142
                                  143
                                            \else
                                                \RequirePackage{etex}
                                  144
                                    Allocation of a new mark class.
                                                \globmarks\@@@out@mark
                                  145
                                  146
                                                \newcounter{@@total@outs}\setcounter{@@total@outs}{0}
                                  147
                                                \newcounter{@@last@exec}\setcounter{@@last@exec}{0}
                                  Doesn't work correctly without any \mark or \special or \pdfliteral command inside.
     \pending@@write
                                            \long\def\pending@@write#1#2{%
                                  148
                                                \global\advance\c@@@total@outs\@ne%
                                  149
                                  150
                                                \marks\@@@out@mark{\the\c@@@total@outs}%
                                                \label{local_condition} $$ \g@addto@macro\\@@pending@outs{\g@cimmediate\\@@cwrite\\number#1{#2},}} % $$
                                  151
   \pending@openout
 \verb|\pending@@openout||_{152} \def\pending@openout#1 {\%}
\pending@@@openout 153
                                            \global\advance\c@@total@outs\@ne%
         \@ifequalsign 154
                                            \marks\@@@out@mark{\the\c@@@total@outs}%
                                            \g@addto@macro\@@@pending@outs{\@@@immediate\@@@openout\number#1,}}%
                                  155
 \pending@closeout
                                   156 \def\pending@closeout#1{%
                                  157
                                            \global\advance\c@@@total@outs\@ne%
                                            158
                                            \g@addto@macro\@@@pending@outs{\@@@immediate\@@@closeout\number#1,}}%
                                  159
                                   With the call of \@@@exec@outs we simulate TFX's execution of non-immediate output com-
         \@@@exec@outs
                                    mands. The number of pending commands which can be executed must be decremented by
                                    \value{@@total@outs} - \botmarks\@@@out@mark. The remaining commands must still wait
                                    until the next output page is ready. It works only for output commands in the main text which
                                    moved to the next page but not for floating output commands.
                                   160
                                                \newcommand*\@@@exec@outs{%
                                  161
                                                    \begingroup
                                    Pending io's = \colongreen \
                                                       \@tempcntb\c@@@total@outs\advance\@tempcntb-\c@@@last@exec%
                                                        \edef\reserved@a{\botmarks\@@@out@mark}%
                                  163
                                                       \ifx\reserved@a\@empty\@tempcnta\z@\else\@tempcnta\reserved@a\fi%
                                  164
```

```
TOTAL-OUTS: \the \c@@@total@outs \space \space
                 166
                                             LAST-EXEC:\the\c@@@last@exec\space\space
                 167
                                             TOPMARK: \topmarks\@@@out@mark\space\space
                 168
                                             FIRSTMARK:\firstmarks\@@@out@mark\space\space
                 169
                                             BOTMARK:\botmarks\@@@out@mark}%
                 170
                  Last valid pending entry = \ensuremath{\texttt{Qtempcntb}} = PENDING-OUTS - TOTAL-OUTS + BOTMARK
                  Number of invalid (moved) out's = \ensuremath{\texttt{Qtempcnta}} = TOTAL-OUTS - BOTMARK
                             \advance\@tempcnta-\c@@@total@outs \advance\@tempcntb\@tempcnta
                 171
                 172
                             \@tempcnta-\@tempcnta%
                 173
                             \ifnum\@tempcnta>\z@
                               \LL@debug@info{%
                 174
                                 >>> resave \the\@tempcnta\space output command(s).
                 175
                                     Too early to execute! <<<}%
                 176
                             \fi
                 177
                             \@tempcnta\z@ \def\reserved@b{}%
                 178
                             \@for\reserved@a :=\@@@pending@outs\do{%
                 179
                 180
                               \ifx\reserved@a\@empty\else
                                 \ifnum\@tempcnta<\@tempcntb%
                                    \reserved@a% execute output's related to the current page box.
                 183
                                    \global\advance\c@@@last@exec\@ne
                 184
                                    \LL@debug@info{>>> execute output command number
                                             \the\c@@@last@exec\space<<<}%
                 185
                                 \else
                 186
                  Other output's must be resaved and still pending.
                                    \expandafter\g@addto@macro\expandafter\reserved@b\expandafter{%
                 188
                                      \reserved@a,}%
                 189
                                 \fi
                                 \advance\@tempcnta\@ne%
                 190
                 191
                 192
                             \expandafter\@temptokena\expandafter{\reserved@b}%
                 193
                             \xdef\@@@pending@outs{\the\@temptokena}%
                 194
                           \endgroup}%
                       \fi% end of eTeX test.
\protected@write Because our redefined \write is expandable we must protect it inside of LATEX's
                  \protected@write.
                       \long\def\protected@write#1#2#3{%
                         \begingroup
                            \let\thepage\relax
                 198
                 199
                            #2%
                            \let\protect\@unexpandable@protect
                 200
                            \edef\reserved@a{\noexpand\write#1{#3}}%
                 201
                            \reserved@a%
                 202
                 203
                         \endgroup
                         \if@nobreak\ifvmode\nobreak\fi\fi}%
                 204
        \shipout We make LATEX's \shipout inefficacious (no more shipout at all).
                       \def\shipout{\deadcycles\z@\setbox\@tempboxa=}
      \Obegindvi Delay \Obegindvi to be executed until the real page output.
                       \let\@begindvi\@empty
                 207 \fi% end of \ifLL@combine
\LL@toomanypages Now elsewhere ...
                 208 \LoadClass{article}
                 209 \RequirePackage{everyshi,graphicx}
```

\LL@debug@info{PENDING-OUTS:\the\@tempcntb\space\space

\LL@pagesize@specials Now the graphics driver is known. We will check the graphics driver and set special code for page dimensions and other.

```
210 \newcommand*\LL@pagesize@specials[2]{}
211 \@ifundefined{Gin@driver}{}{%
     \ifx\Gin@driver\@empty\else%
       \filename@parse{\Gin@driver}\@tempswafalse%
213
214
       \def\reserved@a{dvips}%
215
       \ifx\filename@base\reserved@a\@tempswatrue\fi%
216
       \def\reserved@a{dvipdfm}%
       \ifx\filename@base\reserved@a\@tempswatrue\fi%
217
       \if@tempswa
218
219
         \ClassInfo{leaflet}{Generating code for dvips}%
220
         \def\LL@pagesize@specials#1#2{%
           \@tempdima=#1\@tempdimb=#2%
221
           \AtBeginDvi{\special{papersize=\the\@tempdima,\the\@tempdimb}}}%
222
       \fi
223
       \def\reserved@a{pdftex}%
224
       \ifx\filename@base\reserved@a
225
         \ClassInfo{leaflet}{Generating code for pdfTeX}%
226
227
         \def\LL@pagesize@specials#1#2{%
           \@tempdima=#1\@tempdimb=#2%
228
229
           \pdfpagewidth\@tempdima\pdfpageheight\@tempdimb}%
230
       \def\reserved@a{luatex}%
231
       \ifx\filename@base\reserved@a
         \ClassInfo{leaflet}{Generating code for LuaTeX}%
233
234
         \ifx\pdfvariable\@undefined
235
           \def\LL@pagesize@specials#1#2{%
236
             \@tempdima=#1\@tempdimb=#2%
             \pdfpagewidth\@tempdima\pdfpageheight\@tempdimb}%
237
238
         \else
239
           \def\LL@pagesize@specials#1#2{%
240
             \@tempdima=#1\@tempdimb=#2%
241
             \pagewidth\@tempdima\pageheight\@tempdimb}%
         \fi
242
243
       \fi
244
       \def\reserved@a{xetex}%
245
       \ifx\filename@base\reserved@a
         \ClassInfo{leaflet}{Generating code for XeTeX}%
246
247
         \def\LL@pagesize@specials#1#2{%
           \@tempdima=#1\@tempdimb=#2%
248
           \pdfpagewidth\@tempdima\pdfpageheight\@tempdimb}%
249
       \fi
250
251
       \def\reserved@a{vtex}%
252
       \ifx\filename@base\reserved@a
         \ClassInfo{leaflet}{Generating code for VTeX}%
254
         \def\LL@pagesize@specials#1#2{%
           \@tempdima=#1\@tempdimb=#2%
255
256
           \mediawidth\@tempdima\mediaheight\@tempdimb}%
257
       \fi
258
     \fi
259 }
260 \newcommand*\LL@CmdIgnored[1]{%
     \ClassWarning{leaflet}{%
       '\string#1' ignored}}
262
       Changing the class properties
263 \setlength{\parskip}{1ex plus 2pt}
```

```
264 \@listi%
265 \setlength{\labelwidth}{\leftmargin}
```

\LL@CmdIgnored

```
266 \addtolength{\abelwidth}{-\abelsep}
           267 \pagestyle{empty}
           268 \headheight\z@
           270 \footskip\z@
           271 \marginparwidth\z@
           272 \marginparsep\z@
           273\sloppy
           274 \setcounter{secnumdepth}{0}
           275 %\renewcommand\marginpar[2][]{\LL@CmdIgnored{\marginpar}}
           276 \renewcommand\twocolumn[1][]{\LL@CmdIgnored{\twocolumn}}
           277 \verb|\column{\LL@CmdIgnored{\column}}|
           278 \renewcommand\topfraction{0.7}
           279 \renewcommand\bottomfraction{0.7}
           280 \setlength{\textfloatsep}{10pt plus 4pt minus 3pt}
           281 \setlength{\parindent}{\z0}
           282 \setlength{\leftmargini}{1.5em}
           283 \setlength{\leftmarginii}{1.5em}
           284 \setlength{\leftmarginiii}{1.5em}
           285 \setlength{\leftmarginiv}{1.5em}
           286 \setlength{\leftmarginv}{1.5em}
           287 \setlength{\leftmarginvi}{1.5em}
           288 \setlength{\labelsep}{.5em}
           289 \setlength \labelwidth{\leftmargini}
           290 \addtolength\labelwidth{-\labelsep}
\noparskip
           291 \def\noparskip{\par\vspace{-\parskip}}
            Modification of list and section parameters for a more compact layout.
           292 \let\old@small\small
           293 \renewcommand{\small}{\old@small\let\@listi\@listI}
           294 \let\old@footnotesize\footnotesize
           295 \renewcommand{\footnotesize}{\old@footnotesize\let\@listi\@listI}
\section User macro for changing the font of the typesetted parameter of the \?section commands.
           296 \newcommand{\sectfont}{\bfseries}
           297 \renewcommand\section{\@startsection{section}{1}{\z@}%
           298 {-3.5ex \@plus -.75ex}%
           299 {1ex} %{1.5ex}%
           300 {\normalfont\large\sectfont}}
           301 \renewcommand\subsection{\@startsection{subsection}{2}{\z@}%
           302 \quad \{-2.5ex plus -.5ex\}\%
           303 {1\p0} %{1ex}%
           304 {\normalfont\normalsize\sectfont}}
           305 \renewcommand\subsubsection{\Qstartsection{subsubsection}{3}{\zQ}\%
           306 \quad \{-2.5ex plus -.5ex\}\%
           307
               {-1em}%
               {\normalfont\normalsize\sectfont}}
           309 \def\part{\LL@CmdIgnored{\part}\secdef\@part\@spart}
           310 \def\@part[#1]#2{}
           311 \def\@spart#1{}
           312
           313 \renewcommand*\descriptionlabel[1]{%
                \hspace\labelsep\normalfont\descfont #1}
\descfont User macro for changing the font of the description label.
           315 \newcommand*\descfont{\bfseries}
           316 \setminus iffalse
           317 % Doesn't work!
           318 \g@addto@macro\enumerate{\parsep2\p@\@plus2\p@\@minus\z@}
           319 \g@addto@macro\itemize{\parsep2\p@\@plus2\p@\@minus\z@}
```

```
320 \g@addto@macro\description{\parsep2\p@\@plus2\p@\@minus\z@}
321 \else
322 \newcommand*\LL@listsetup{%
323 % \parsep.445ex\@plus.445ex\@minus.2225ex%
324 % \parsep.5ex\@plus.5ex\@minus.25ex%
325
     \parsep1ex\@plus.5ex\@minus.25ex%
     \LL@debug@info{***parsep=\the\parsep}%
326
327 % \itemsep.25\parsep
328
     \itemsep\z@
     \LL@debug@info{***itemsep=\the\itemsep}%
329
330
     \topsep\z@
331
     \LL@debug@info{***topsep=\the\topsep}%
332 %
     \partopsep\z@
     \LL@debug@info{***partopsep=\the\partopsep}%
333
334 }
335 \def\enumerate{%
     \ifnum \@enumdepth >\thr@@\@toodeep\else
336
337
       \advance\@enumdepth\@ne
338
       \edef\@enumctr{enum\romannumeral\the\@enumdepth}%
339
       \expandafter
340
          \csname label\@enumctr\endcsname
341
          {\usecounter\@enumctr
342
            \def\makelabel##1{\hss\llap{##1}}%
343
           \label{label} $$ \def\makelabel$#1{$\#1\hfill}% $
344
           \def\makelabel##1{\hss##1}%
345
            \LL@listsetup
346
         }%
347
     \fi}
348
349 \def\itemize{%
     \ifnum \@itemdepth >\thr@@\@toodeep\else
350
       \advance\@itemdepth\@ne
352
       \edef\@itemitem{labelitem\romannumeral\the\@itemdepth}%
353
       \expandafter
       \list
354
          \csname\@itemitem\endcsname
355
         {%
356
            \def\makelabel##1{\hss\llap{##1}}%
357
           %\def\makelabel##1{##1\hfill}%
358
359
           %\def\makelabel##1{\hss##1}%
360
            \LL@listsetup
361
     \fi}
362
   \renewenvironment{description}
364
                   {\list{}{\labelwidth\z@ \itemindent-\leftmargin
365
                             \let\makelabel\descriptionlabel
366
                             \LL@listsetup}}
                   {\endlist}
367
368 \fi
```

### 2.4 Changing the page dimensions

\setmargins Us

```
User command to specify the margins. (o, u, l, r) \scalebox{$\setminus$ setmargins} {\langle top \rangle} {\langle bottom \rangle} {\langle left \rangle} {\langle right \rangle}
```

The new user interface! By default, the leaflet class does not use headings, footings and marginal notes. If the user desires, these can be restored by setting the respective lengths before calling \setmargins. Setting the margins should always be done using \setmargins; if the user assigns to any of the length registers \topmargin, \evensidemargin, \oddsidemargin using \setlength, chaos will happen.

```
369 \newcommand*\setmargins[4]{%
temp. top!
370 \setlength\topmargin{#1}%
```

```
temp. bottom!
                         \setlength\evensidemargin{#2}%
                   372
                         \textheight=\dimexpr\paperheight
                   373
                           -\topmargin-\evensidemargin-\headheight-\headsep-\footskip
                         \setlength\oddsidemargin{#3}%
                   temp. right!
                         \setlength\evensidemargin{#4}%
                         \textwidth=\dimexpr\paperwidth
                   377
                           -\oddsidemargin-\evensidemargin-\marginparwidth-\marginparsep
                   378
                   real top!
                         \addtolength\topmargin{-1in}%
                   379
                         \addtolength\oddsidemargin{-1in}%
                   probably not necessary
                         \evensidemargin\oddsidemargin
                   382 }
                   The dimensions of a single small page.
                   383 \LL@setPaperSize
                   384 \paperwidth=0.33333334\paperwidth
                   385 \operatorname{setmargins} \{11mm\} \{11mm\} \{8mm\} \{8mm\}
                    2.5
                           Additional user macros
                   The dimension of the foldmark between page 2 and page 3.
    \foldmarkrule
  \verb|\foldmarklength| 386 \verb|\newcommand*| foldmarkrule{0.4pt}|
                   387 \newcommand*\foldmarklength{2mm}
                   Adds the given parameter #2 (some picture commands) to a macro which will be used inside a
 \AddToBackground
                   zero-dimensional picture environment located at the lower left corner of a page. Parameter #1
\AddToBackground*
                    selects the page number. The star version adds the picture commands to the background of
                    one of the combined large pages instead of one of the small pages.
                   388 \newcommand\AddToBackground{%
                        \@ifstar{\@tempswatrue\LL@AddToBackground}
                                 {\@tempswafalse\LL@AddToBackground}}
                   390
                   391 \@onlypreamble\AddToBackground
                   392 \newcommand\LL@AddToBackground[2]{%
                        \if@tempswa\def\@tempa{LL@largePic}\else\def\@tempa{LL@smallPic}\fi
                        \expandafter\providecommand\csname\@tempa\@Roman{#1}\endcsname{}%
                   394
                        \expandafter\g@addto@macro\csname\@tempa\@Roman{#1}\endcsname{#2}}
       \LenToUnit \LenToUnit \{dimension\} can be used in a picture environment instead of multiples of
                    \unitlength.
                   396 \providecommand\LenToUnit[1]{#1\@gobble}
         \CutLine Adds a dotted line with two scissors on the left side of the page given as parameter #1. The
        \CutLine* starred version draws only the dotted line.
        \Scissors 397 \newcommand*\CutLine{%
                       \@ifstar{\@tempswatrue\LL@CutLine}{\@tempswafalse\LL@CutLine}}
                   399 \@onlypreamble\CutLine
                   400 \newcommand*\LL@CutLine[1]{%
                        \ifLL@combine
                   401
                          \ifx\Scissors\@empty\@tempswatrue\fi
                   402
                   403
                          \if@tempswa
                   404
                             \AddToBackground{#1}{%
                               \put(0,0){%
```

\edef\LL@tmargin{\the\topmargin}%

```
407
                             \normalsize
                             \dotfill}}}}%
             408
             409
                     \else
                       \AddToBackground{#1}{%
             410
                         \put(0,0){%
             411
                           \rotatebox{90}{\makebox(\LenToUnit{\paperheight},0){%
             412
             413
                             \normalsize
                             \dotfill\Scissors\dotfill\dotfill\Scissors\dotfill}}}%
             414
                    \fi
             415
                  \fi}
             416
             417 \IfFileExists{pifont.sty}
                  {\RequirePackage{pifont}%
                   \label{largeding and large large} $$\operatorname{\agg}(34)}}%
             419
                  {\newcommand*\Scissors{}}
             420
              Adds the fold mark code between page 2 and page 3.
             421 \AddToBackground{3}{\LL@foldmark}
              2.6
                     Page construction and output
                    Intercepting the small pages
              Similar to \hb@xt@ (should be part of the LATEX kernel).
             422 \providecommand*\vb@xt@{\vbox to}
              We use our own page saving macro instead of real LATEX output.
             423 \AtBeginDocument{\EveryShipout{\LL@savePage}}
    LL@page A counter for the small pages (absolute counting).
             424 \newcounter{LL@page}\setcounter{LL@page}{1}
             425 \newcommand\LL@tempa{}
                     "combine"
                                 option the six small pages will be saved in box registers
\LL@savePage
              With
              (\LL@boxI...\LL@boxVI). The box255 with the page content must be a bit moved to
              get a "normal-sized" box.
             426 \newcommand*\LL@savePage{%
                  \ifnum\c@LL@page<7\relax
             427
                    \LL@tempdima=\paperwidth
             428
                    \ifLL@combine
             429
                       \iffoldcorr
             430
             431
                         \@tempswafalse
                         \ifnum\c@LL@page=4\relax
             432
                           \@tempswatrue
             433
                         \else
                           \ifnum\c@LL@page=5\relax
             435
             436
                             \@tempswatrue
             437
                          \fi
             438
                         \if@tempswa\LL@tempdima=0.9797979798\paperwidth
             439
                         \else\LL@tempdima=1.0101010101\paperwidth \fi
             440
                       \fi
             441
                       \@@@exec@outs
             442
                       \expandafter\newsavebox\csname LL@box\Roman{LL@page}\endcsname%
             443
                       \setbox\@cclv=\vbox{\vskip1in\unvbox\@cclv}%
             444
                       \setbox\@cclv=\vbox{\moveright1in\box\@cclv}%
             445
                       \setbox\@cclv=\hb@xt@\paperwidth{\box\@cclv\hss}%
             446
                       \iffoldcorr\setbox\@cclv=\hb@xt@\LL@tempdima{\hss\box\@cclv\hss}\fi
             447
              Add a background picture to a single small page ('combine').
                       \setbox\@cclv=\vb@xt@\paperheight{%
             449
                         \vbox{%
                           \pictur@(0,0)(0,\LenToUnit{\paperheight})%
             450
```

\rotatebox{90}{\makebox(\LenToUnit{\paperheight},0){%

```
\begingroup
       451
       452
                          \set@typeset@protect
                          \paperwidth=\LL@tempdima
       453
                          \@nameuse{LL@smallPic\Roman{LL@page}}%
       454
       455
                       \endgroup
                     \endpicture
       456
                   }%
       457
                   \nointerlineskip\box\@cclv\vss
       458
       459
                 \global\expandafter\setbox
       460
                   \csname LL@box\Roman{LL@page}\endcsname=\box\@cclv
       461
       462
                 \typeout{\@spaces[\the\c@LL@page] ==> [\Roman{LL@page}]}%
       463
        Add a background picture to a single small page ('nocombine').
                 \setbox\@cclv\vbox{%
       464
                   \vbox{\@tempdima=1in\relax
       465
                     \@tempdimb=\paperheight\advance\@tempdimb-\@tempdima
       466
                     \pictur@(0,0)(\LenToUnit{\@tempdima},\LenToUnit{\@tempdimb})%
       467
                       \begingroup
       468
                          \set@typeset@protect
       469
                          \@nameuse{LL@smallPic\Roman{LL@page}}%
       470
                       \endgroup
       471
       472
                     \endpicture
                   }%
       473
       474
                   \nointerlineskip\box\@cclv
                 ጉ%
       475
       476
               \fi
             \fi
       477
             \ifnum\c@LL@page=7\relax
       478
        Make this an error or warning message, depending on class option. (--> warning in all cases?)
       479
               \begingroup
       480
                 \set@typeset@protect
       481
                 \LL@toomanypages{%
       482
                   The text you supplied fills more than six pages\MessageBreak
                   and will therefore not fit onto a single flyer}{%
       483
                   Try using smaller fonts or reducing vertical space}%
       484
               \endgroup
       485
             \fi
       486
             \stepcounter{LL@page}}
       487
        2.6.2 Generating missing small pages
        NOTE TO OURSELVES: All the following must be done if the document code is already
        processed.
       488 \ifLL@combine
\@@end
             \def\@\end{%}
       489
               \clearpage\pagestyle{empty}%
        Restore the original \@outputpage command (removing any related background pictures).
               \let\@outputpage\LL@outputpage
       491
        Suppresses all everyshi's clients (removing other kinds of background pictures) but our page
        saving macro is still needed for the next step and must be set again.
       492
               \def\@EveryShipout@Hook{}%
       493
               \def\@EveryShipout@AtNextHook{}%
       494
               \EveryShipout{\LL@savePage}%
        Create empty pages if necessary.
               \loop\ifnum\c@LL@page<7\relax</pre>
       495
       496
                 \ClassInfo{leaflet}{Generating empty page \the\c@page}%
       497
                 \null\newpage
       498
               \repeat
```

#### 2.6.3 Reassembling the small pages

Here begins the real output using LATEX's original \shipout. The everyshi package isn't active any more. The begin dvi hook is reactivated.

```
499 \let\shipout\LL@shipout \let\@begindvi\LL@begindvi
500 \paperwidth=3\paperwidth
501 \iflandscape
502 \LL@pagesize@specials{\paperwidth}{\paperheight}%
503 \else
504 \LL@pagesize@specials{\paperheight}{\paperwidth}%
505 \fi
```

\LL@shipoutPage

This is similar to IATEX's \@outputpage, but without a group; \set@display@protect seems to work as well.

\LL@preparePages \LL@preparePage Helper macros for page output: reassemble the small pages.

```
\newcommand*\LL@shipoutPage[1]{%
506
          \set@display@protect
507 %
508
          \let \protect \noexpand
509
          \shipout\vb@xt@\paperheight{%
510
            \set@typeset@protect
511
            \vskip-1in%
            \@begindvi\hb@xt@\paperwidth{\hskip-1in##1\hss}\vss}}%
512
       \newcommand*\LL@preparePages[3]{%
513
          \typeout{[\@Roman{##1}\space\@Roman{##2}\space\@Roman{##3}] ==>}%
514
```

Add a background picture to a large page.

```
515 \pictur@(0,0)\@nameuse{LL@largePic\Roman{page}\endpicture%
516 \LL@preparePage{##1}\LL@preparePage{##2}\LL@preparePage{##3}}%
517 \newcommand*\LL@preparePage[1]{%
518 \expandafter\box\csname LL@box\@Roman{##1}\endcsname}%
```

Combine and output the frontside and the backside. The option two part arranges the pages in a different than the "natural" order, to allow the typesetting of a 4 page leaflet and a detachable 2 page form, for summaries, fill-in forms, applications, questionnaires, etc.

```
\LL@selectOutput
520
       \iftwopart
521
           {\setcounter{page}{1}%
            \LL@shipoutPage{\LL@rotate@I{\LL@preparePages{6}{4}{1}}}}%
522
            {\setcounter{page}{2}%
523
            \LL@shipoutPage{\LL@rotate@II{\LL@preparePages{2}{3}{5}}}}%
524
       \else
525
526
           {\setcounter{page}{1}%
            \LL@shipoutPage{\LL@rotate@I{\LL@preparePages{5}{6}{1}}}}%
527
           {\setcounter{page}{2}%
528
             \LL@shipoutPage{\LL@rotate@II{\LL@preparePages{2}{3}{4}}}}%
529
       \fi
530
         \LL@@end
531
     ጉ%
```

End of the redefinition of \@@end.

533 \else

Create empty pages if necessary and then call the normal LATEX end.

```
\LL@pagesize@specials{\paperwidth}{\paperheight}%
      \AtEndDocument{%
535
        \clearpage\pagestyle{empty}%
536
        \label{looplimin} $$ \op\inum\cQLLQpage<7\relax $$
537
          \ClassInfo{leaflet}{Generating empty page \the\c@page}%
538
          \null\newpage
539
540
        \repeat
541
     }
542 \fi
```

Done. Phew! (Did you hear that deep-drawn sigh?)