The leaflet document class

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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 \newcommand\LL@debug@info[1]{}%
7 \DeclareOption{dvips}{\PassOptionsToPackage{\CurrentOption}{graphics}}
8 \DeclareOption{pdftex}{\PassOptionsToPackage{\CurrentOption}{graphics}}
9 \DeclareOption{vtex}{\PassOptionsToPackage{\CurrentOption}{graphics}}
10 \DeclareOption{dvipdfm}{\PassOptionsToPackage{\CurrentOption}{graphics}}
11 \DeclareOption{twoside}{\OptionNotUsed}
12 \DeclareOption{twocolumn}{\OptionNotUsed}
13 \DeclareOption{landscape}{\landscapetrue}
14 \DeclareOption{portrait}{\landscapefalse}
15 \DeclareOption{debug}{\let\LL@debug@info\typeout}
16 \DeclareOption{nospecialtricks}{%
    \AtEndOfClass{%
17
      \ifLL@combine
18
        \let\immediate\@@@immediate\let\write\@@@write
        \let\openout\@@@openout\let\closeout\@@@closeout
21
        \let\special\@@@special\let\@@@exec@outs\relax
22
      fi}
```

```
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!
                  23 \newcommand*\LL@setPaperSize{}
                  24 \DeclareOption{a3paper}{\def\LL@setPaperSize{%
                      \paperwidth=420mm\paperheight=297mm\relax}}%
                  26 \@ifdefinable\ifLL@combine{\newif\ifLL@combine}
                  27 \DeclareOption{combine}{\LL@combinetrue}
                  28 \DeclareOption{nocombine}{\LL@combinefalse}
\LL@selectOutput
                  29 \newcommand*\LL@selectOutput{}
                  30 \DeclareOption{frontside}{\def\LL@selectOutput#1#2{#1}}
                  31 \DeclareOption{backside}{\def\LL@selectOutput#1#2{#2}}
                  32 \DeclareOption{bothsides}{\def\LL@selectOutput#1#2{#1#2}}
                  33 \DeclareOption{tumble}{\tumbletrue}
                  34 \DeclareOption{notumble}{\tumblefalse}
    \LL@foldmark Drawing code for the fold mark. (Will be called within a picture environment.)
                  35 \newcommand*\LL@foldmark{}
                  36 \DeclareOption{foldmark}{%
                      \def\LL@foldmark{%
                  37
                  38
                        \begingroup
                  39
                          \linethickness{\LenToUnit{\foldmarkrule}}%
                          \setlength\@tempdima{\paperheight-\LL@tmargin}%
                  40
                          \put(0,\LenToUnit{\@tempdima}){%
                  42
                            \line(0,-1){\LenToUnit{\foldmarklength}}}%
                  43
                        \endgroup}%
                  44 }
                  45 \DeclareOption{nofoldmark}{\def\LL@foldmark{}}%
                  46 \newcommand*\LL@toomanypages[2]{}
                  47 \DeclareOption{draft}{\PassOptionsToClass{\CurrentOption}{article}%
                      \AtEndOfClass{%
                        \def\LL@toomanypages#1#2{%
                            \ClassWarningNoLine{leaflet}{#1.\MessageBreak#2}}%
                  50
                  51
                      }%
                  52 }
                  53 \DeclareOption{final}{\PassOptionsToClass{\CurrentOption}{article}%
                      \AtEndOfClass{%
                        \ifLL@combine
                  55
                          \def\LL@toomanypages#1#2{%
                  56
                            \ClassError{leaflet}{#1}{#2.}}%
                  57
                  58
                        \else
                          \def\LL@toomanypages#1#2{%
                             \ClassWarningNoLine{leaflet}{#1.\MessageBreak#2}}%
                  60
                  61
                        \fi
                      }%
                  62
                  63 }
                  64 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
                  65 \PassOptionsToClass{landscape,a4paper}{article}
                  66 \ExecuteOptions{tumble,foldmark,bothsides,combine,landscape,final}
                  67 \ProcessOptions\relax
                  68 \ifLL@combine
    \LL@rotate@I Rotates the output pages.
   \LL@rotate@II
                  69
                      \newcommand*\LL@rotate@I{}\newcommand*\LL@rotate@II{}%
                      \iflandscape
                  70
                  71
                        \def\LL@rotate@I#1{#1}%
                  72
                          73
                  74
                          \def\LL@rotate@II#1{#1}%
```

```
77
                     \else
                       \def\LL@rotate@I#1{\rotatebox[origin=c]{90}{#1}}%
                 78
                       \iftumble
                 79
                         \def\LL@rotate@II#1{\rotatebox[origin=c]{270}{#1}}%
                 80
                 81
                       \else
                         \def\LL@rotate@II#1{\rotatebox[origin=c]{90}{#1}}%
                 82
                 83
                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 TEX's
      \openout
                 \shipout zu einem günstigen Zeitpunkt ausgeführt werden. For VTpX we must keep in mind
     \closeout
                 that \immediate\special exist.
                     \def\@@@pending@outs{}\let\@@@immediate\immediate
                     \let\@@@write\write \let\@@@special\special
                 86
                     \let\@@@openout\openout \let\@@@closeout\closeout
                 87
                     \def\immediate{%
                 88
                       \let\write\immediate@write%
                 89
                       \let\openout\immediate@openout%
                 90
                       \let\closeout\immediate@closeout%
                 91
                       \let\special\immediate@special}%
                     \def\reset@immediate{%
                 93
                 94
                       \let\write\pending@write%
                 95
                       \let\openout\pending@openout%
                       \let\closeout\pending@closeout%
                 96
                       \let\special\@@@special}%
                 97
                     \long\def\pending@write#1#{\pending@@write{#1}}
                 98
                     \def\immediate@write{%
                 99
                       \reset@immediate\@@@immediate\@@@write}%
                100
                     \def\immediate@openout{%
                101
                       \reset@immediate\@@@immediate\@@@openout}%
                102
                     \def\immediate@closeout{%
                103
                       \reset@immediate\@@@immediate\@@@closeout}%
                104
                     \def\immediate@special{%
                105
                       \reset@immediate\@@@immediate\@@@special}%
                106
                     \let\write\pending@write
                107
                108
                     \let\openout\pending@openout
                     \let\closeout\pending@closeout
                109
               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.
                110
                     \def\@dummy@whatsit{\special{}}
                111
                     \begingroup\@ifundefined{pdfoutput}%
                112
                     {\endgroup}
                113
                     {\endgroup
                      \ifnum\pdfoutput>\z@\def\@dummy@whatsit{\pdfliteral{}}\fi}
                114
                     \begingroup\expandafter\expandafter\expandafter\endgroup
                115
                     \expandafter\ifx\csname eTeXversion\endcsname\relax
                116
                       %%% Test is from Markus Kohm (d.c.t.t, 29 Jun 2004)
                117
                       \ClassWarningNoLine{leaflet}{%
                118
                       119
                120
                       * It's very recommended to use eTeX \MessageBreak
                       * with this package!
                                                            \MessageBreak
                       *******************************
\pending@@write Doesn't work correctly without any \mark or \special or \pdfliteral command inside.
                       \long\def\pending@@write#1#2{%
                123
                124
                         \@dummy@whatsit
                125
                         \g@addto@macro\@@@pending@outs{\@@@immediate\@@@write\number#1{#2},}}%
```

\fi

```
\pending@openout
                   126
                          \def\pending@openout#1 {%
                   127
                             \@dummy@whatsit
                   128
                             \g@addto@macro\@@@pending@outs{\@@@immediate\@@@openout\number#1,}}%
\pending@closeout
                   129
                          \def\pending@closeout#1{%
                   130
                             \@dummy@whatsit
                   131
                             \g@addto@macro\@@@pending@outs{\@@@immediate\@@@closeout\number#1,}}%
                    Note to this implementation: The out commands and the page breaks are not allways in sync,
     \@@@exec@outs
                    which means possible wrong page references.
                          \newcommand*\@@@exec@outs{%
                   132
                             \@@@pending@outs\gdef\@@@pending@outs{}%
                   133
                             \LL@debug@info{%
                   134
                              >>> execute the output commands of the current page <<<}}}%
                   135
                        \else
                   136
                          \RequirePackage{etex}
                   137
                    Allocation of a new mark class.
                          \globmarks\@@@out@mark
                   138
                          \newcounter{@@total@outs}\setcounter{@@total@outs}{0}
                   139
                          \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{%
                   141
                          \global\advance\c@@@total@outs\@ne%
                   142
                          \marks\@@@out@mark{\the\c@@@total@outs}%
                   143
                          \g@addto@macro\@@@pending@outs{\@@@immediate\@@@write\number#1{#2},}}%
                   144
 \pending@openout
\pending@@@openout _{146}
                        \global\advance\c@@dtotal@outs\@ne%
                        \marks\@@@out@mark{\the\c@@@total@outs}%
     \@ifequalsign 147
                        \g@addto@macro\@@@pending@outs{\@@@immediate\@@@openout\number#1,}}%
\pending@closeout
                   149 \def\pending@closeout#1{%
                        \global\advance\c@@dtotal@outs\@ne%
                   151
                        \marks\@@@out@mark{\the\c@@@total@outs}%
                        \verb|\g@addto@macro|\g@outs{\g@oimmediate|\g@ocloseout|number#1,}}||
                    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.
                           \newcommand*\@@@exec@outs{%
                   153
                             \begingroup
                   154
                    Pending io's = \ensuremath{\texttt{Qtempcntb}} = TOTAL-OUTS - LAST-EXEC
                               \@tempcntb\c@@@total@outs\advance\@tempcntb-\c@@@last@exec%
                   155
                               \edef\reserved@a{\botmarks\@@@out@mark}%
                   156
                              \ifx\reserved@a\@empty\@tempcnta\z@\else\@tempcnta\reserved@a\fi%
                   157
                              \LL@debug@info{PENDING-OUTS:\the\@tempcntb\space\space
                                              TOTAL-OUTS: \the\c@@@total@outs\space\space
                   159
                   160
                                              LAST-EXEC:\the\c@@@last@exec\space\space
                   161
                                              TOPMARK: \topmarks\@@@out@mark\space\space
                                              FIRSTMARK:\firstmarks\@@@out@mark\space\space
```

BOTMARK:\botmarks\@@@out@mark}%

162

```
Number of invalid (moved) out's = \@tempcnta = TOTAL-OUTS - BOTMARK
                                 \advance\@tempcnta-\c@@@total@outs \advance\@tempcntb\@tempcnta
                      164
                                 \@tempcnta-\@tempcnta%
                      165
                                 \ifnum\@tempcnta>\z@
                      166
                                   \LL@debug@info{%
                      167
                      168
                                     >>> resave \the\@tempcnta\space output command(s).
                      169
                                         Too early to execute! <<<}%
                                 \fi
                      170
                                 \@tempcnta\z@ \def\reserved@b{}%
                      171
                                 \@for\reserved@a :=\@@@pending@outs\do{%
                      172
                                   \ifx\reserved@a\@empty\else
                      173
                                     \ifnum\@tempcnta<\@tempcntb%
                      174
                                       \reserved@a% execute output's related to the current page box.
                      175
                                       \global\advance\c@@@last@exec\@ne
                                       \LL@debug@info{>>> execute output command number
                      177
                                                \the\c@@@last@exec\space<<<}%
                      178
                                     \else
                      179
                       Other output's must be resaved and still pending.
                                       \expandafter\g@addto@macro\expandafter\reserved@b\expandafter{%
                                          \reserved@a,}%
                      181
                      182
                                     \fi
                                     \advance\@tempcnta\@ne%
                      183
                                   \fi}%
                      184
                                 \expandafter\@temptokena\expandafter{\reserved@b}%
                      185
                                 \xdef\@@@pending@outs{\the\@temptokena}%
                      186
                               \endgroup}%
                      187
                           \fi% end of eTeX test.
                      188
    \protected@write Because our redefined \write is expandable we must protect it inside of LATEX's
                       \protected@write.
                      189
                           \long\def\protected@write#1#2#3{%
                      190
                             \begingroup
                      191
                                \let\thepage\relax
                      192
                                #2%
                                \let\protect\@unexpandable@protect
                      193
                                \edef\reserved@a{\noexpand\write#1{#3}}%
                      194
                                \reserved@a%
                      195
                             \endgroup
                      196
                             \if@nobreak\ifvmode\nobreak\fi\fi}%
                      197
             \shipout We make LATFX's \shipout inefficacious (no more shipout at all).
                           \Obegindvi Delay \Obegindvi to be executed until the real page output.
                           \let\@begindvi\@empty
                      200 \fi% end of \ifLL@combine
    \LL@toomanypages Now elsewhere ...
                      201 \LoadClass{article}
                      202 \RequirePackage{everyshi,calc,graphicx}
\LL@pagesize@specials Now the graphics driver is known. We will Check the graphics driver and set special code for
                       page dimensions and other.
                      203 \newcommand*\LL@pagesize@specials[2]{}
                      204 \@ifundefined{Gin@driver}{}%
                      205 {%
                      206
                           \ifx\Gin@driver\@empty\else%
                      207
                             \filename@parse{\Gin@driver}\@tempswafalse%
                      208
                             \def\reserved@a{dvips}%
```

Last valid pending entry = \Qtempcntb = PENDING-OUTS - TOTAL-OUTS + BOTMARK

```
\ifx\filename@base\reserved@a\@tempswatrue\fi%
               209
               210
                      \def\reserved@a{dvipdfm}%
                      \ifx\filename@base\reserved@a\@tempswatrue\fi%
               211
                      \if@tempswa%
               212
                        \ClassInfo{leaflet}{Generating code for dvips}%
               213
                         \def\LL@pagesize@specials#1#2{%
               214
               215
                           \@tempdima=#1\@tempdimb=#2%
                           \AtBeginDvi{\special{papersize=\the\@tempdima,\the\@tempdimb}}}%
               216
               217
                      \def\reserved@a{pdftex}%
               218
               219
                      \ifx\filename@base\reserved@a
                        \ClassInfo{leaflet}{Generating code for pdfTeX}%
               220
               221
                         \def\LL@pagesize@specials#1#2{%
                           \@tempdima=#1\@tempdimb=#2%
               222
                           \pdfpagewidth\@tempdima\pdfpageheight\@tempdimb}%
               223
               224
                      \fi%
               225
                      \def\reserved@a{vtex}%
               226
                      \ifx\filename@base\reserved@a
                         \ClassInfo{leaflet}{Generating code for VTeX}%
               227
                         \def\LL@pagesize@specials#1#2{%
                           \@tempdima=#1\@tempdimb=#2%
               229
                           \mediawidth\@tempdima\mediaheight\@tempdimb}%
               230
               231
                      \fi%
                    \fi
               232
               233 }
\LL@CmdIgnored
               234 \newcommand*\LL@CmdIgnored[1]{%
                    \ClassWarning{leaflet}{%
                       '\string#1' ignored}}
               236
                       Changing the class properties
               237 \setlength{\parskip}{1ex plus 2pt}
               238 \@listi%
               239 \setlength{\labelwidth}{\leftmargin}
               240 \addtolength{\abelwidth}{-\abelsep}
               241 \pagestyle{empty}
               242 \headheight\z@
               243 \headsep\z0
               244 \footskip\z@
               245 \marginparwidth\z@
               246 \marginparsep\z@
               247\sloppy
               248 \text{setcounter{secnumdepth}{0}}
               249 \mbox{\command} \text{\command} \marginpar[2] [] {\LL@CmdIgnored{\marginpar}}
               251 \renewcommand\onecolumn{\LL@CmdIgnored{\onecolumn}}
               252 \renewcommand\topfraction{0.7}
               253 \renewcommand\bottomfraction{0.7}
               254 \setlength{\textfloatsep}{10pt plus 4pt minus 3pt}
               255 \setlength{\parindent}{\z0}
               256 \setlength{\leftmargini}{1.5em}
               257 \setlength{\leftmarginii}{1.5em}
               258 \setlength{\leftmarginiii}{1.5em}
               259 \left\langle \frac{1.5em}{1.5em} \right\rangle
               260 \setlength{\leftmarginv}{1.5em}
               261 \verb|\eftmarginvi|{1.5em}|
               262 \setlength{\labelsep}{.5em}
               263 \setlength \labelwidth{\leftmargini}
               264 \addtolength\labelwidth{-\labelsep}
    \noparskip
               265 \def\noparskip{\par\vspace{-\parskip}}
```

```
Modification of list and section parameters for a more compact layout.
          266 \left| \text{old@small} \right|
          267 \renewcommand{\small}{\old@small\let\@listi\@listI}
          268 \let\old@footnotesize\footnotesize
          269 \renewcommand{\footnotesize}{\old@footnotesize\let\@listi\@listI}
\section User macro for changing the font of the typesetted parameter of the \?section commands.
          270 \mbox{ } \mbox{newcommand{\sectfont}{\bfseries}}
          271 \renewcommand\section{\@startsection{section}{1}{\z@}%
          272 {-3.5ex \@plus -.75ex}%
          273
              {1ex} %{1.5ex}%
          274 {\normalfont\large\sectfont}}
          275 \renewcommand\subsection{\@startsection{subsection}{2}{\z@}%
          276 {-2.5ex plus -.5ex}%
               {1\p0} %{1ex}%
          277
          278 {\normalfont\normalsize\sectfont}}
          279 \renewcommand\subsubsection{\@startsection{subsubsection}{3}{\z@}%
          280 \quad \{-2.5ex plus -.5ex\}\%
          281 {-1em}%
          282 {\normalfont\normalsize\sectfont}}
          283 \def\part{\LL@CmdIgnored{\part}\secdef\@part\@spart}
          284 \def\@part[#1]#2{}
          285 \def\@spart#1{}
          287 \renewcommand*\descriptionlabel[1]{%
               \hspace\labelsep\normalfont\descfont #1}
\descfont User macro for changing the font of the description label.
          289 \newcommand*\descfont{\bfseries}
          290 \iffalse
          291 % Doesn't work!
          292 \g@addto@macro\enumerate{\parsep2\p@\@plus2\p@\@minus\z@}
          293 \g@addto@macro\itemize{\parsep2\p@\@plus2\p@\@minus\z@}
          294 \end{q} add to \end{q} acro\description {\parsep2\p@\@plus2\p@\@minus\z@} 
          295 \else
          296 \newcommand*\LL@listsetup{%
          297 % \parsep.445ex\@plus.445ex\@minus.2225ex%
          298 % \parsep.5ex\@plus.5ex\@minus.25ex%
               \parsep1ex\@plus.5ex\@minus.25ex%
          300 \LL@debug@info{***parsep=\the\parsep}%
          301 % \itemsep.25\parsep
          302 \neq 20
          303
              \LL@debug@info{***itemsep=\the\itemsep}%
          304
               \topsep\z@
               \LL@debug@info{***topsep=\the\topsep}%
          305
          306 % \partopsep\z@
              \LL@debug@info{***partopsep=\the\partopsep}%
          307
          308 }
          309 \def\enumerate{%
               \ifnum \@enumdepth >\thr@@\@toodeep\else
                 \advance\@enumdepth\@ne
                 \edef\@enumctr{enum\romannumeral\the\@enumdepth}%
          312
          313
                 \expandafter
                 \list
          314
                   \csname label\@enumctr\endcsname
          315
                   {\usecounter\@enumctr
          316
                     \def\makelabel##1{\hss\llap{##1}}%
          317
                     %\def\makelabel##1{##1\hfill}%
          318
                     319
                     \LL@listsetup
          320
          321
          322
               \fi}
```

```
323 \def\itemize{%
     \ifnum \@itemdepth >\thr@@\@toodeep\else
325
       \advance\@itemdepth\@ne
       \edef\@itemitem{labelitem\romannumeral\the\@itemdepth}%
326
       \expandafter
327
328
       \list
          \csname\@itemitem\endcsname
329
330
            \def\makelabel##1{\hss\llap{##1}}%
331
           %\def\makelabel##1{##1\hfill}%
332
           333
334
            \LL@listsetup
         }%
335
     fi
336
337 \ \texttt{\ \ } renewen vironment \{ \texttt{description} \}
                   {\list{}{\labelwidth\z@ \itemindent-\leftmargin
338
                             \let\makelabel\descriptionlabel
339
340
                             \LL@listsetup}}
                   {\endlist}
341
342 \fi
```

2.4 Changing the page dimensions

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

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.

```
343 \newcommand*\setmargins[4]{%
 temp. top!
      \setlength\topmargin{#1}%
345
      \edef\LL@tmargin{\the\topmargin}%
 temp. bottom!
      \setlength\evensidemargin{#2}%
      \setlength\textheight{%
348
        \paperheight-\topmargin-\evensidemargin%
        -\headheight-\headsep-\footskip}%
349
temp. left!
      \setlength\oddsidemargin{#3}%
temp. right!
      \setlength\evensidemargin{#4}%
351
352
      \setlength\textwidth{%
353
         \paperwidth-\oddsidemargin-\evensidemargin-\marginparwidth-\marginparsep}%
real top!
      \addtolength\topmargin{-1in}%
354
 real left!
      \addtolength\oddsidemargin{-1in}%
 probably not necessary
      \evensidemargin\oddsidemargin%
356
357 }
 The dimensions of a single small page.
358 \LL@setPaperSize
359 \neq 0.33333334
360 \operatorname{setmargins} \{11mm\} \{11mm\} \{8mm\} \{8mm\} \}
```

2.5 Additional user macros

\foldmarkrule The dimension of the foldmark between page 2 and page 3. \foldmarklength 361 \newcommand*\foldmarkrule{0.4pt} 362 \newcommand*\foldmarklength{2mm} Adds the given parameter #2 (some picture commands) to a macro which will be used inside a \AddToBackground \AddToBackground* zero-dimensional picture environment located at the lower left corner of a page. Parameter #1 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. 363 \newcommand\AddToBackground{% \@ifstar{\@tempswatrue\LL@AddToBackground} 364 {\@tempswafalse\LL@AddToBackground}} 365 366 \@onlypreamble\AddToBackground 367 \newcommand\LL@AddToBackground[2]{% \if@tempswa\def\@tempa{LL@largePic}\else\def\@tempa{LL@smallPic}\fi \expandafter\providecommand\csname\@tempa\@Roman{#1}\endcsname{}% 370 \expandafter\g@addto@macro\csname\@tempa\@Roman{#1}\endcsname{#2}} \LenToUnit $\{\langle dimension \rangle\}$ can be used in a picture environment instead of multiples of \LenToUnit \unitlength. 371 \newcommand\LenToUnit[1]{#1\@gobble} \CutLine Adds a dotted line with two scissors on the left side of the page given as parameter #1. The starred version draws only the dotted line. \Scissors 372 \newcommand*\CutLine{% \@ifstar{\@tempswatrue\LL@CutLine}{\@tempswafalse\LL@CutLine}} 374 \@onlypreamble\CutLine 375 \newcommand*\LL@CutLine[1]{% \ifLL@combine 377 \ifx\Scissors\@empty\@tempswatrue\fi 378 \if@tempswa \AddToBackground{#1}{% 379 \put(0,0){% 380 \rotatebox{90}{\makebox(\LenToUnit{\paperheight},0){% 381 \normalsize 382 \dotfill}}}}% 383 384 \else \AddToBackground{#1}{% 385 $\begin{array}{l} \begin{array}{l} \text{put}(0,0) & \text{%} \end{array} \end{array}$ 386 \rotatebox{90}{\makebox(\LenToUnit{\paperheight},0){% 387 388 \normalsize \dotfill\Scissors\dotfill\Scissors\dotfill}}}% 389 \fi 390 \fi} 391 392 \IfFileExists{pifont.sty} 393 {\RequirePackage{pifont}% $\label{larged} $$\operatorname{\command*\Scissors{\raisebox{-0.85ex}{\large\ding{34}}}}% $$$ 394 {\newcommand*\Scissors{}} Adds the fold mark code between page 2 and page 3. 396 \AddToBackground{3}{\LL@foldmark} Page construction and output

2.6.1 Intercepting the small pages

```
\vb@xt@ Similar to \hb@xt@ (should be part of the LATEX kernel).

397 \providecommand*\vb@xt@{\vbox to}

We use our own page saving macro instead of real LATEX output.

398 \AtBeginDocument{\EveryShipout{\LL@savePage}}
```

```
A counter for the small pages (absolute counting).
             399 \newcounter{LL@page}\setcounter{LL@page}{1}
             400 \newcommand\LL@tempa{}
\LL@savePage
                     "combine" option the six small pages will be saved in box registers
              With
              (\LL@boxI...\LL@boxVI). The box255 with the page content must be a bit moved to
              get a "normal-sized" box.
             401 \newcommand*\LL@savePage{%
                  \ifnum\c@LL@page<7\relax
              Add a background picture to a single small page.
                     \setbox\@cclv\vbox{%
             403
                       \vbox{\@tempdima=1in\relax
             404
                         \@tempdimb=\paperheight\advance\@tempdimb-\@tempdima
             405
                         \pictur@(0,0)(\LenToUnit{\@tempdima},\LenToUnit{\@tempdimb})%
             406
             407
                           \begingroup
             408
                           \set@typeset@protect
                           \@nameuse{LL@smallPic\Roman{LL@page}}%
             409
             410
                           %\set@display@protect
                           \endgroup
             411
                         \endpicture}%
             412
                         \nointerlineskip\box\@cclv}%
             413
                    \ifLL@combine
             414
                       \@@@exec@outs
             415
                       \expandafter\newsavebox\csname LL@box\Roman{LL@page}\endcsname%
             416
                       \setbox\@cclv=\vbox{\vskip1in\unvbox\@cclv}%
             417
                       \setbox\@cclv=\vbox{\moveright1in\box\@cclv}%
             418
                       \setbox\@cclv=\hb@xt@\paperwidth{\box\@cclv\hss}%
             419
             420
                       \setbox\@cclv=\vb@xt@\paperheight{\box\@cclv\vss}%
             421
                       \global\expandafter\setbox%
             422
                         \csname LL@box\Roman{LL@page}\endcsname=\box\@cclv%
             423
                       \typeout{\@spaces[\the\c@LL@page] ==> [\Roman{LL@page}]}%
                    \fi
             424
                  \fi
             425
                  \ifnum\c@LL@page=7\relax
             426
              Make this an error or warning message, depending on class option. (--> warning in all cases?)
             427
                    \begingroup
                       \set@typeset@protect
             428
                       \LL@toomanypages{%
             429
                        The text you supplied fills more than six pages\MessageBreak
             430
                         and will therefore not fit onto a single flyer}{%
                        Try using smaller fonts or reducing vertical space}%
             432
             433
                    \endgroup
             434
                  \fi
             435
                  \stepcounter{LL@page}}
              2.6.2 Generating missing small pages
              NOTE TO OURSELVES: All the following must be done if the document code is already
              processed.
             436 \ifLL@combine
      \@@end
                  \def\@\end{%}
             437
                    \clearpage\pagestyle{empty}%
              Restore the original \@outputpage command (removing any related background pictures).
                    \let\@outputpage\LL@outputpage
              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.
                    \def\@EveryShipout@Hook{}%
             440
             441
                     \def\@EveryShipout@AtNextHook{}%
```

\EveryShipout{\LL@savePage}%

```
Create empty pages if necessary.
```

```
443 \loop\ifnum\c@LL@page<7\relax
444 \ClassInfo{leaflet}{Generating empty page \the\c@page}%
445 \null\newpage
446 \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.

```
447 \let\shipout\LL@shipout \let\@begindvi\LL@begindvi
448 \paperwidth=3\paperwidth
449 \iflandscape
450 \LL@pagesize@specials{\paperwidth}{\paperheight}%
451 \else
452 \LL@pagesize@specials{\paperheight}{\paperwidth}%
453 \fi
```

 $\verb|\LL@shipoutPage|$

This is similar to LATEX'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.

```
454
        \newcommand*\LL@shipoutPage[1]{%
455 %
          \set@display@protect
456
          \let \protect \noexpand
457
          \shipout\vb@xt@\paperheight{%
458
            \set@typeset@protect
            \vskip-1in%
459
            \@begindvi\hb@xt@\paperwidth{\hskip-1in##1\hss}\vss}}%
460
        \newcommand*\LL@preparePages[3]{%
461
          \typeout{[\@Roman{##1}\space\@Roman{##2}\space\@Roman{##3}] ==>}%
462
```

Add a background picture to a large page.

```
463 \pictur@(0,0)\@nameuse{LL@largePic\Roman{page}}\endpicture%
464 \LL@preparePage{##1}\LL@preparePage{##2}\LL@preparePage{##3}}%
465 \newcommand*\LL@preparePage[1]{%
466 \expandafter\box\csname LL@box\@Roman{##1}\endcsname}%
```

Combine and output the frontside and the backside.

```
467 \LL@selectOutput
468 {\setcounter{page}{1}%
469 \LL@shipoutPage{\LL@rotate@I{\LL@preparePages{5}{6}{1}}}}%
470 {\setcounter{page}{2}%
471 \LL@shipoutPage{\LL@rotate@II{\LL@preparePages{2}{3}{4}}}}%
472 \LL@dend
473 }%
```

End of the redefinition of \@@end.

474 \else

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

```
\LL@pagesize@specials{\paperwidth}{\paperheight}%
475
     \AtEndDocument{%
476
477
       \clearpage\pagestyle{empty}%
       \loop\ifnum\c@LL@page<7\relax</pre>
478
          \ClassInfo{leaflet}{Generating empty page \the\c@page}%
479
          \null\newpage
480
481
       \repeat
482
     }
483 \fi
484 (/class)
```

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

Change History

v0.8c	\LenToUnit: New macro \LenToUnit.
General: Repacked as dtx file. (RN) 1	$(RN) \dots \dots 9$
v0.9d	v1.0b
General: LPPL 1.3 (HjG) 1	General: New option nospecialtricks for
M-x delete-trailing-whitespace (HjG) . 1	testing purposes. (RN)
More code documentation; some	\closeout: \special must be processed
caveats. (HjG) 1	similar to e.g. $\$ write $(VT_{E}X)$. (RN) . 3
v0.9e	v1.0c
General: Add option 'finish'. (RN/HjG) . 1	\LL@shipoutPage: Fix \protect-ion prob-
v0.9f	lems. (RN/HjG) 11
General: Merge v0.9d and v0.9e (hastily).	v1.0pre1
$(HjG) \dots 1$	General: Redefinition of \immediate,
v0.9g	\write, \openout and \closeout.
General: Rename option 'finish' to 'com-	$(RN) \dots \dots$
bine'. (RN/HjG)	v1.0pre2
v1.0	General: eTeX support. (RN) 1
General: CTAN release. (RN/HjG) 1	v1.0pre3
v1.0a	General: Options 'landscape' and 'por-
General: Add option 'debug'. (RN) 1	tait'. (RN)

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