The `pmboxdraw` package

Heiko Oberdiek

<oberdiek@uni-freiburg.de>

2006/05/03 v1.0

Abstract

Package `pmboxdraw` declares box drawings characters of old code pages, e.g. cp437. It uses rules instead of using a font.

Contents

1 User interface 1
  1.1 Introduction ........................................... 2
  1.2 Setup .................................................. 2
  1.3 Symbol list ............................................ 2

2 Implementation 5
  2.1 Identification .......................................... 5
  2.2 Dummy font encoding ..................................... 5
  2.3 Setup ................................................... 5
  2.4 Block elements .......................................... 5
  2.5 Box drawing, light single lines ......................... 7
  2.6 Box drawing, double lines ............................... 11
  2.7 Unicode support file .................................... 25

3 Installation 26
  3.1 Download ................................................ 26
  3.2 Bundle installation ..................................... 27
  3.3 Package installation ................................... 27
  3.4 Refresh file name databases .............................. 27
  3.5 Some details for the interested ........................ 27

4 References 28

5 History 28
  [2006/05/03 v1.0] ............................................ 28

6 Index 28

1 User interface

```
PMBOXDRAW
2006/05/03
```
1.1 Introduction

In old code pages (CP 437, ...) many slots are occupied by graphical characters. The definition files for the input encodings that come with \LaTeX\’s package \texttt{inputenc} ignore these characters. This package tries to close this gap. Package \texttt{inputenc} provides more complete definitions files of input encodings ([1]).

The graphical characters are available in some fonts, mostly some derivates of Courier. However, the symbols are usually used to generate some kind of ASCII art. Thus it should fit with the current typewriter font in use. That means:

- Same and constant symbol width.
- Use of the full line height. Vertical lines should not be interrupted if the symbols that contribute to that lines are in adjacent text lines.

Therefore I decided to generate the symbols by rules. Parameters such as rule width and box dimensions are accessible at macro level. This avoids to generate many fonts for the used typewriter fonts (Courier, LuxiMono, Computer/Latin Modern, ...).

The disadvantage is that there are no characters in the output file, just rules. Thus operations such as cut and paste or text search will not detect these graphical characters.

1.2 Setup

Usually the box drawings symbols of this package derive its parameters from the current font. But they can be set explicitly.

\begin{verbatim}
\pmboxdrawbox \{⟨template⟩\}
\end{verbatim}

The \texttt{⟨template⟩} is used as size template for the symbols. It is initialized by \texttt{\strut0}. (Usually \texttt{\strut} carries the information about the \texttt{\baselineskip} and 0 the symbol width.)

\begin{verbatim}
\pmboxdrawrulewidth \{⟨dimen⟩\}
\end{verbatim}

This macro allows the setup of the rule width used in the symbols. It is initialized with 0.1\texttt{\width}, that means 10\% of the symbol width. \texttt{\width}, \texttt{\height}, and \texttt{\depth} can be used here and are set to the corresponding symbol box parameter.

\begin{verbatim}
\pmboxdowelinerulesep \{⟨dimen⟩\}
\end{verbatim}

Some symbols have double lines. The distance between the lines is configured by this macro. It is set to 0.25\texttt{\width}, a quarter of the symbol width. Also \texttt{\height} and \texttt{\depth} are available.

1.3 Symbol list

The macro names for the symbols in \LaTeX\ (LICR) are derived from Adobe’s glyph names for these characters ([2]). Example:

U+2580 (□) with glyph name \texttt{upblock}: \texttt{\textupblock}

Some glyph names start with SF, two individual digits follow and the name is closed by four digits zero. For the LICR name the two individual digits form a number that is converted to lowercase roman number. The trailing zeros are dropped. Example:

U+2556 (□) with glyph name SF210000: \texttt{\textSFxxi}
The three gray symbols require package color:

\textltshade
\textshade
\textdkshade

It follows a list with all graphical symbols provided by this package:

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Unicode</th>
<th>Glyph name</th>
<th>LICR</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>U+2500</td>
<td>SF100000</td>
<td>\textSFx</td>
</tr>
<tr>
<td></td>
<td>U+2502</td>
<td>SF110000</td>
<td>\textSFxi</td>
</tr>
<tr>
<td></td>
<td>U+250C</td>
<td>SF010000</td>
<td>\textSFi</td>
</tr>
<tr>
<td></td>
<td>U+2510</td>
<td>SF030000</td>
<td>\textSFiii</td>
</tr>
<tr>
<td></td>
<td>U+2514</td>
<td>SF020000</td>
<td>\textSFii</td>
</tr>
<tr>
<td></td>
<td>U+2518</td>
<td>SF040000</td>
<td>\textSFiv</td>
</tr>
<tr>
<td></td>
<td>U+251C</td>
<td>SF080000</td>
<td>\textSFviii</td>
</tr>
<tr>
<td></td>
<td>U+2524</td>
<td>SF090000</td>
<td>\textSFix</td>
</tr>
<tr>
<td></td>
<td>U+252C</td>
<td>SF060000</td>
<td>\textSFvi</td>
</tr>
<tr>
<td></td>
<td>U+2534</td>
<td>SF070000</td>
<td>\textSFvii</td>
</tr>
<tr>
<td></td>
<td>U+253C</td>
<td>SF050000</td>
<td>\textSFv</td>
</tr>
<tr>
<td></td>
<td>U+2550</td>
<td>SF430000</td>
<td>\textSFxliii</td>
</tr>
<tr>
<td></td>
<td>U+2551</td>
<td>SF240000</td>
<td>\textSFxxiv</td>
</tr>
<tr>
<td></td>
<td>U+2552</td>
<td>SF510000</td>
<td>\textSFli</td>
</tr>
<tr>
<td></td>
<td>U+2553</td>
<td>SF520000</td>
<td>\textSFlii</td>
</tr>
<tr>
<td></td>
<td>U+2554</td>
<td>SF390000</td>
<td>\textSFxxxix</td>
</tr>
<tr>
<td></td>
<td>U+2555</td>
<td>SF220000</td>
<td>\textSFxxii</td>
</tr>
<tr>
<td></td>
<td>U+2556</td>
<td>SF210000</td>
<td>\textSFxxi</td>
</tr>
<tr>
<td></td>
<td>U+2557</td>
<td>SF250000</td>
<td>\textSFxxv</td>
</tr>
<tr>
<td></td>
<td>U+2558</td>
<td>SF500000</td>
<td>\textSFl</td>
</tr>
<tr>
<td></td>
<td>U+2559</td>
<td>SF490000</td>
<td>\textSFxxlix</td>
</tr>
<tr>
<td>Symbol</td>
<td>Unicode</td>
<td>Glyph name</td>
<td>LICR</td>
</tr>
<tr>
<td>--------</td>
<td>-----------</td>
<td>------------</td>
<td>-------</td>
</tr>
<tr>
<td>\u255A</td>
<td>U+255A SF380000</td>
<td>box drawings double up and right</td>
<td>\textSFxxxviii</td>
</tr>
<tr>
<td>\u255B</td>
<td>U+255B SF280000</td>
<td>box drawings up single and left double</td>
<td>\textSFxxviii</td>
</tr>
<tr>
<td>\u255C</td>
<td>U+255C SF270000</td>
<td>box drawings up double and left single</td>
<td>\textSFxxvii</td>
</tr>
<tr>
<td>\u255D</td>
<td>U+255D SF260000</td>
<td>box drawings double up and left</td>
<td>\textSFxxvi</td>
</tr>
<tr>
<td>\u255E</td>
<td>U+255E SF360000</td>
<td>box drawings double up and right</td>
<td>\textSFxxxvi</td>
</tr>
<tr>
<td>\u255F</td>
<td>U+255F SF370000</td>
<td>box drawings vertical single and right double</td>
<td>\textSFxxviii</td>
</tr>
<tr>
<td>\u2560</td>
<td>U+2560 SF420000</td>
<td>box drawings double vertical and right</td>
<td>\textSFxlii</td>
</tr>
<tr>
<td>\u2561</td>
<td>U+2561 SF190000</td>
<td>box drawings vertical single and left double</td>
<td>\textSFxix</td>
</tr>
<tr>
<td>\u2562</td>
<td>U+2562 SF200000</td>
<td>box drawings vertical double and left single</td>
<td>\textSFxx</td>
</tr>
<tr>
<td>\u2563</td>
<td>U+2563 SF230000</td>
<td>box drawings vertical double and left</td>
<td>\textSFxxiii</td>
</tr>
<tr>
<td>\u2564</td>
<td>U+2564 SF470000</td>
<td>box drawings down single and horizontal double</td>
<td>\textSFxlvii</td>
</tr>
<tr>
<td>\u2565</td>
<td>U+2565 SF480000</td>
<td>box drawings down double and horizontal single</td>
<td>\textSFxlviii</td>
</tr>
<tr>
<td>\u2566</td>
<td>U+2566 SF410000</td>
<td>box drawings double down and horizontal</td>
<td>\textSFxli</td>
</tr>
<tr>
<td>\u2567</td>
<td>U+2567 SF450000</td>
<td>box drawings up single and horizontal double</td>
<td>\textSFxlv</td>
</tr>
<tr>
<td>\u2568</td>
<td>U+2568 SF460000</td>
<td>box drawings up double and horizontal single</td>
<td>\textSFxlvi</td>
</tr>
<tr>
<td>\u2569</td>
<td>U+2569 SF400000</td>
<td>box drawings double up and horizontal</td>
<td>\textSFxl</td>
</tr>
<tr>
<td>\u256A</td>
<td>U+256A SF540000</td>
<td>box drawings double vertical and horizontal</td>
<td>\textSFliv</td>
</tr>
<tr>
<td>\u256B</td>
<td>U+256B SF530000</td>
<td>box drawings vertical single and horizontal double</td>
<td>\textSFliii</td>
</tr>
<tr>
<td>\u256C</td>
<td>U+256C SF440000</td>
<td>box drawings vertical double and horizontal single</td>
<td>\textSFxliv</td>
</tr>
<tr>
<td>\u2580</td>
<td>upblock</td>
<td>\textupblock</td>
<td>upper half block</td>
</tr>
<tr>
<td>\u2584</td>
<td>dnblock</td>
<td>\textdnblock</td>
<td>lower half block</td>
</tr>
<tr>
<td>\u2588</td>
<td>block</td>
<td>\textblock</td>
<td>full block</td>
</tr>
<tr>
<td>\u258C</td>
<td>lfblock</td>
<td>\textlfblock</td>
<td>left half block</td>
</tr>
<tr>
<td>\u2590</td>
<td>rtblock</td>
<td>\textrtblock</td>
<td>right half block</td>
</tr>
</tbody>
</table>
2 Implementation

2.1 Identification

\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{pmboxdraw} [2006/05/03 v1.0 Poor man's box drawing characters (HO)]

2.2 Dummy font encoding

Using a dummy font encoding because of \usepackage[utf8]{inputenc}

\DeclareFontEncoding{pmboxdraw}{}{}
\DeclareFontFamily{pmboxdraw}{pmboxdraw}{}
\DeclareFontShape{pmboxdraw}{pmboxdraw}{m}{n} { <-> cmr10 }{}
\DeclareFontSubstitution{pmboxdraw}{pmboxdraw}{m}{n}

2.3 Setup

\pmboxdrawbox
\pmboxdrawrulewidth
\pmboxdrawdoublerulesep

2.4 Block elements

\pmboxdoublerulesep
2.4.1 U+2580

UPPER HALF BLOCK

\DeclareTextCommandDefault{\textupblock}{
\pmbd@begin
\dimen0-\ht\z@ 
\advance\dimen0-\dp\z@
\vrule\@width\wd\z@\@depth.5\dimen0
\pmbd@end
}

2.4.2 U+2584

LOWER HALF BLOCK

\DeclareTextCommandDefault{\textdnblock}{
\pmbd@begin
\dimen@\ht\z@
\advance\dimen@-\dp\z@
\vrule\@width\wd\z@\@height.5\dimen0
\pmbd@end
}

2.4.3 U+2588

FULL BLOCK

\DeclareTextCommandDefault{\textblock}{
\vrule\@width\wd\z@
\pmbd@end
}

2.4.4 U+258C

LEFT HALF BLOCK

\DeclareTextCommandDefault{\textlfblock}{
\vrule\@width.5\wd\z@
\hfill
\pmbd@end
}

2.4.5 U+2590

RIGHT HALF BLOCK

\DeclareTextCommandDefault{\textrtblock}{
\hfill
\vrule\@width.5\wd\z@
\pmbd@end
}

2.4.6 U+2591

LIGHT SHADE

\DeclareTextCommandDefault{\textltshade}{
\pmbd@begin
\@ifundefined{textcolor}{
\pmbd@colorwarning\textltshade
\pmbd@end}
}
\textshade
\textcolor[gray]{0.5}
\vrule\@width\wd\z@
\pmbd@end

\textdkshade
\textcolor[gray]{0.25}
\vrule\@width\wd\z@
\pmbd@end

\pmbd@colorwarning
\def\pmbd@colorwarning#1{\PackageWarning{pmboxdraw}{\string#1\space requires package \string`color\string`\MessageBreak\\PackageWarningNoLine{pmboxdraw}{\string`color\string` is required for\MessageBreak\string`textltshade, \string`textshade, and \string`textdkshade\MessageBreak\global\let\pmbd@colorwarning\@secondoftwo\@firstofone

2.5 Box drawing, light single lines
\pmbd@beginA
\def\pmbd@beginA{\pmbd@begin\def\width{\wd\z@}\def\height{\ht\z@}\def\depth{\dp\z@}
2.5.1 U+2500
BOX DRAWINGS LIGHT HORIZONTAL
\DeclareTextCommandDefault{\textSFx}{%
\pmbd@beginA
\dimen@\ht\z@\vrule@width\pmbd@rulewidth
\pmbd@end%
}

2.5.2 U+2502
BOX DRAWINGS LIGHT VERTICAL
\DeclareTextCommandDefault{\textSFxi}{%
\pmbd@beginA
\hss \vrule@width\pmbd@rulewidth \hss
\pmbd@end%
}

2.5.3 U+250C
BOX DRAWINGS LIGHT DOWN AND RIGHT
\DeclareTextCommandDefault{\textSFi}{%
\pmbd@beginA
\dimen@\ht\z@ \advance\dimen@-\dp\z@ \dimen@\tw@\dimen@
\advance\dimen@-\pmbd@rulewidth \dimen@\tw@-\pmbd@rulewidth
\vrule@width\wd\z@\@height.5\dimen@\@depth-.5\dimen@\tw@
\pmbd@end%
}

2.5.4 U+2510
BOX DRAWINGS LIGHT DOWN AND LEFT
\DeclareTextCommandDefault{\textSFiii}{%
\pmbd@beginA
\dimen@\ht\z@\advance\dimen@-\dp\z@ \dimen@\tw@\dimen@
\advance\dimen@-\pmbd@rulewidth \dimen@\tw@-\pmbd@rulewidth
\vrule@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen@\tw@
\pmbd@end%
}
2.5.5 U+2514
BOX DRAWINGS LIGHT UP AND RIGHT
\DeclareTextCommandDefault{\textSFii}{\pmbd@beginA}\dimen@\ht\z@\advance\dimen@-\dp\z@\dimen@tw@\dimen@\advance\dimen@\pmbd@rulewidth\advance\dimen@tw@-\pmbd@rulewidth\rlap{\hss\vrule@width\pmbd@rulewidth@height.5\dimen@\@depth\dp\z@\hss}\%\%\vrule@width.5\dimen@\@height.5\dimen@\@depth-.5\dimen@tw@\hfill\pmbd@end}

2.5.6 U+2518
BOX DRAWINGS LIGHT UP AND LEFT
\DeclareTextCommandDefault{\textSFiv}{\pmbd@beginA}\dimen@\ht\z@\advance\dimen@-\dp\z@\dimen@tw@\dimen@\advance\dimen@\pmbd@rulewidth\advance\dimen@tw@-\pmbd@rulewidth\rlap{\hss\vrule@width\pmbd@rulewidth@height.5\dimen@\@depth-.5\dimen@tw@\hss}\%\%\vrule@width.5\dimen@\@height.5\dimen@\@depth-.5\dimen@tw@\hfill\pmbd@end}

2.5.7 U+251C
BOX DRAWINGS LIGHT VERTICAL AND RIGHT
\DeclareTextCommandDefault{\textSFviii}{\pmbd@beginA}\dimen@\ht\z@\advance\dimen@-\dp\z@\dimen@tw@\dimen@\advance\dimen@\pmbd@rulewidth\advance\dimen@tw@-\pmbd@rulewidth\rlap{\hss\vrule@width\pmbd@rulewidth@height.5\dimen@\@depth-.5\dimen@tw@\hss}\%\%\vrule@width.5\dimen@\@height.5\dimen@\@depth-.5\dimen@tw@\hfill\pmbd@end}
\advance\dimen@-\dp\z@
\dimen@\tw@\dimen@
\advance\dimen@-\pmbd@rulewidth
\advance\dimen@\pmbd@rulewidth
\rlap{\hspace{\wd\z@}{\vrule\@width\pmbd@rulewidth\@height\ht\z@\@depth\dp\z@
\hspace{\pmbd@rulewidth}}}
\vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen@}
\pmbd@end

2.5.8 U+2524
BOX DRAWINGS LIGHT VERTICAL AND LEFT
\DeclareTextCommandDefault{\textSFx}{%
\pmbd@beginA
\dimen@\ht\z@
\advance\dimen@-\dp\z@
\dimen@\tw@\dimen@
\advance\dimen@\pmbd@rulewidth
\advance\dimen@-\pmbd@rulewidth
\rlap{\vrule\@width\pmbd@rulewidth\@height\ht\z@\@depth\dp\z@}
\hspace{\pmbd@rulewidth}}%
\hfill
\vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen@}
\pmbd@end

2.5.9 U+252C
BOX DRAWINGS LIGHT DOWN AND HORIZONTAL
\DeclareTextCommandDefault{\textSFvi}{%
\pmbd@beginA
\dimen@\ht\z@
\advance\dimen@-\dp\z@
\dimen@\tw@\dimen@
\advance\dimen@\pmbd@rulewidth
\advance\dimen@-\pmbd@rulewidth
\rlap{\vrule\@width\pmbd@rulewidth\@height\ht\z@\@depth\dp\z@}
\hspace{\pmbd@rulewidth}}%
\hfill
\vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen@}
\pmbd@end

2.5.10 U+2534
BOX DRAWINGS LIGHT UP AND HORIZONTAL
\DeclareTextCommandDefault{\textSFvii}{%
\pmbd@beginA
\dimen@ \ht \z@
\advance \dimen@ - \dp \z@
\dimen@ \tw@ \dimen@
\advance \dimen@ - \pmbd@rulewidth
\rlap{%
  \vrule \@width \wd \z@ \@height .5 \dimen@ \@depth -.5 \dimen@ tw@
}
\hss
\vrule \@width \pmbd@rulewidth \@depth -.5 \dimen@ tw@
\hss
\pmbd@end
}

2.5.11 U+253C
BOX DRAWINGS LIGHT VERTICAL AND HORIZONTAL
\DeclareTextCommandDefault{\textSFv}{%
  \pmbd@beginA
  \dimen@ \ht \z@
  \advance \dimen@ - \dp \z@
  \dimen@ \tw@ \dimen@
  \advance \dimen@ - \pmbd@rulewidth
  \rlap{%
    \vrule \@width \wd \z@ \@height .5 \dimen@ \@depth -.5 \dimen@ tw@
  }
  \hss
  \vrule \@width \pmbd@rulewidth \@depth -.5 \dimen@ tw@
  \hss
  \pmbd@end
}%

2.6 Box drawing, double lines
\pmbd@beginB
\def \pmbd@beginB{%
  \pmbd@beginA
  \setlength{\dimen@}{\pmbd@doublerulesep}%
  \edef \pmbd@doublesepH{\number \dimen@ sp}%
  \edef \pmbd@doublesepV{\number \dimen@ sp}%
}%

\pmbd@beginC
\def \pmbd@beginC{%
  \pmbd@beginB
  \advance \dimen@ \pmbd@rulewidth
  \edef \pmbd@doublesepV{\number \dimen@ sp}%
}%

2.6.1 U+2550
BOX DRAWINGS DOUBLE HORIZONTAL
\DeclareTextCommandDefault{\textSFxliii}{%
  \pmbd@beginC
  \advance \dimen@ \pmbd@rulewidth
  \edef \pmbd@doublesepV{\number \dimen@ sp}%
}
2.6.2 U+2551
BOX DRAWINGS DOUBLE VERTICAL
\DeclareTextCommandDefault{\textSFxxiv}{
  \pmbd@beginB
  \hss
  \vrule@width\pmbd@rulewidth
  \kern\pmbd@doublesepH
  \vrule@width\pmbd@rulewidth
  \hss
  \pmbd@end}

2.6.3 U+2552
BOX DRAWINGS DOWN SINGLE AND RIGHT DOUBLE
\DeclareTextCommandDefault{\textSFli}{
  \pmbd@beginC
  \dimen@\ht\z@\advance\dimen@-\dp\z@
  \advance\dimen@-\pmbd@rulewidth
  \rlap{\kern.5\wd\z@
    \vrule@width.5\dimen@\advance\dimen@-\pmbd@doublesepV
    \vrule@width.5\dimen@\advance\dimen@-\pmbd@doublesepV
  \rlap{\vrule@width.5\dimen@\advance\dimen@-\pmbd@doublesepV
    \vrule@width.5\dimen@\advance\dimen@-\pmbd@doublesepV
  \vrule@width\pmbd@rulewidth\hss\vrule@width\pmbd@rulewidth\hss
  \pmbd@end}

2.6.4 U+2553
BOX DRAWINGS DOWN DOUBLE AND RIGHT SINGLE
\DeclareTextCommandDefault{\textSFlii}{
  \pmbd@beginB
  \dimen@\ht\z@\advance\dimen@-\dp\z@
  \advance\dimen@-\pmbd@rulewidth
  \rlap{\kern.5\wd\z@
    \vrule@width.5\dimen@\advance\dimen@-\pmbd@doublesepV
    \vrule@width.5\dimen@\advance\dimen@-\pmbd@doublesepV
  \rlap{\vrule@width.5\dimen@\advance\dimen@-\pmbd@doublesepV
    \vrule@width.5\dimen@\advance\dimen@-\pmbd@doublesepV
  \vrule@width\pmbd@rulewidth\hss
  \pmbd@end}
\advance\dimen4 \pmbd@doublesepH
\hbox@width\dimen4 \vrule\@width.5\dimen4 \@height.5\dimen0 \@depth-.5\dimen\tw@}
\hss
\vrule\@width\pmbd@rulewidth \@height.5\dimen0
\kern\pmbd@doublesepH
\vrule\@width\pmbd@rulewidth \@height.5\dimen0
\hss
\pmbd@end
\}

2.6.5 U+2554
BOX DRAWINGS DOUBLE DOWN AND RIGHT
\DeclareTextCommandDefault{\textSFxxxix}{%
\pmbd@beginC
\dimen@\ht\z@
\advance\dimen@-\dp\z@
\dimen\tw@\dimen@
\advance\dimen@\pmbd@rulewidth
\advance\dimen\tw@-\pmbd@rulewidth
\dimen4 \wd\z@
\begingroup
\advance\dimen@\pmbd@doublesepV
\advance\dimen\tw@\pmbd@doublesepV
\advance\dimen4 \pmbd@doublesepH
\rlap{%
\hb@xt@wd\z@{%
\hss
\vrule\@width.5\dimen4 \@height.5\dimen0 \@depth-.5\dimen\tw@
}%
}\hss
\vrule\@width\pmbd@rulewidth \@height.5\dimen0 \@depth\dp\z@
\kern\pmbd@doublesepH
\kern\pmbd@rulewidth
\hss
}%
\endgroup
\advance\dimen@-\pmbd@doublesepV
\advance\dimen\tw@-\pmbd@doublesepV
\advance\dimen4 -\pmbd@doublesepH
\rlap{%
\hb@xt@wd\z@{%
\hss
\vrule\@width\pmbd@rulewidth \@height.5\dimen0 \@depth\dp\z@
\kern\pmbd@doublesepH
\kern\pmbd@rulewidth
\hss
}%
}\hss
\pmbd@end
\}
2.6.6 U+2555

BOX DRAWINGS DOWN SINGLE AND LEFT DOUBLE

\begin{verbatim}
\DeclareTextCommandDefault{\textSFxxii}{%
  \pmbd@beginC
  \dimen@=\ht\z@
  \advance\dimen@-\dp\z@
  \dimen@tw@=\dimen@
  \advance\dimen@tw@-\pmbd@rulewidth
  \advance\dimen@tw@-=\pmbd@doublesepV
  \rlap{\vrule\width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen@tw@}
  \advance\dimen@-\pmbd@doublesepV
  \advance\dimen@tw@-\pmbd@doublesepV
  \rlap{\vrule\@width.5\wd\z@\@height.5\dimen@}\hss
  \vrule\@width\pmbd@rulewidth\@height.5\dimen@}
\end{verbatim}

2.6.7 U+2556

BOX DRAWINGS DOWN DOUBLE AND LEFT SINGLE

\begin{verbatim}
\DeclareTextCommandDefault{\textSFxxi}{%
  \pmbd@beginB
  \dimen@=\ht\z@
  \advance\dimen@-\dp\z@
  \dimen@tw@=\dimen@
  \advance\dimen@tw@-\pmbd@rulewidth
  \advance\dimen@tw@-=\pmbd@doublesepH
  \dimen@4=\wd\z@
  \begingroup
  \advance\dimen@=\pmbd@doublesepV
  \vrule\width.5\dimen@\@height.5\dimen@\@depth-.5\dimen@tw@
  \hss
  \vrule\@width.5\dimen@\@height.5\dimen@\@depth-.5\dimen@tw@
  \hss
  \endgroup
  \vrule\@width\pmbd@rulewidth\@height.5\dimen@}
\end{verbatim}

2.6.8 U+2557

BOX DRAWINGS DOUBLE DOWN AND LEFT

\begin{verbatim}
\DeclareTextCommandDefault{\textSFxxv}{%
  \pmbd@beginC
  \dimen@=\ht\z@
  \advance\dimen@-\dp\z@
  \dimen@tw@=\dimen@
  \advance\dimen@tw@-\pmbd@rulewidth
  \advance\dimen@tw@-=\pmbd@doublesepH
  \dimen@4=\wd\z@
  \begingroup
    \advance\dimen@=\pmbd@doublesepH
    \vrule\width.5\dimen@\@height.5\dimen@\@depth-.5\dimen@tw@
    \hss
    \vrule\@width\pmbd@rulewidth\@height.5\dimen@\@depth-.5\dimen@tw@
    \hss
  \endgroup
  \vrule\@width\pmbd@rulewidth\@height.5\dimen@}
\end{verbatim}
2.6.9 U+2558

BOX DRAWINGS UP SINGLE AND RIGHT DOUBLE

\DeclareTextCommandDefault{\textSFl}{%
  \pmbd@beginC
  \dimen@ht\z@
  \advance\dimen@-\dp\z@
  \dimen@tw@\dimen@
  \advance\dimen@\pmbd@rulewidth
  \advance\dimen@tw@-\pmbd@rulewidth
  \rlap{\kern.5\wd\z@\vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen@tw@\hss}
  \vrule\@width\pmbd@rulewidth\@depth-.5\dimen@tw@\hss
  \pmbd@end%
}

2.6.10 U+2559

BOX DRAWINGS UP DOUBLE AND RIGHT SINGLE

\DeclareTextCommandDefault{\textSFxlix}{%
  \pmbd@beginB
  \dimen@ht\z@
  \advance\dimen@-\dp\z@
  \dimen@tw@\dimen@
  \advance\dimen@\pmbd@rulewidth
  \advance\dimen@tw@-\pmbd@rulewidth
  \rlap{\kern.5\wd\z@\vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen@tw@\hss}
  \vrule\@width\pmbd@rulewidth\@height.5\dimen@\@depth-.5\dimen@tw@\hss
  \kern.5\wd\z@
  \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen@tw@\hss
  \pmbd@end%
}
2.6.11 \textSFxxxviii\textSFxxxviii
BOX DRAWINGS DOUBLE UP AND RIGHT
\begin{Verbatim}
\DeclareTextCommandDefault{\textSFxxxviii}{%
\pmbd@beginC
\dimen@\ht\z@
\advance\dimen@-\dp\z@
\dimen\tw@\dimen@
\advance\dimen@\pmbd@rulewidth
\advance\dimen\tw@-\pmbd@rulewidth
\dimen4 \wd\z@
\begingroup
\advance\dimen\tw@\pmbd@doublesepV
\advance\dimen@\pmbd@doublesepV
\advance\dimen4 -\pmbd@doublesepH
\rlap{%
\hb@xt@\wd\z@{%
\hss
\vrule\@width.5\dimen4 \@height.5\dimen0\@depth-.5\dimen\tw@
}%
\hss
\vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
\kern\pmbd@doublesepH
\vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
\hss
\pmbd@end
}
\endgroup
\advance\dimen@-\pmbd@doublesepV
\advance\dimen\tw@-\pmbd@doublesepV
\advance\dimen4 \pmbd@doublesepH
\rlap{%
\hb@xt@\wd\z@{%
\hss
\vrule\@width.5\dimen4 \@height.5\dimen0\@depth-.5\dimen\tw@
}%
\hss
\vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
\kern\pmbd@doublesepH
\vrule\@width\pmbd@rulewidth\@depth-.5\dimen\tw@
\hss
\pmbd@end
}
\end{Verbatim}
\begin{verbatim}
\textSFxxviii}{\% \pmbd@beginC \dimen@\ht\z@ \advance\dimen@-\dp\z@ \dimen@\tw@\dimen@ \advance\dimen@\pmbd@rulewidth \advance\dimen@\pmbd@rulewidth \hss \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen@ \hss \vrule\@width\pmbd@rulewidth\@depth-.5\dimen@ \end}
\textSFxxvii}{\% \pmbd@beginB \dimen@\ht\z@ \advance\dimen@-\dp\z@ \dimen@\tw@\dimen@ \advance\dimen@\pmbd@rulewidth \advance\dimen@\pmbd@rulewidth \hss \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen@ \hss \vrule\@width\pmbd@rulewidth\@depth-.5\dimen@ \vrule\@width\pmbd@rulewidth\@depth-.5\dimen@ \hss \pmbd@end
\textSFxxvi}{\% \pmbd@beginC \dimen@\ht\z@ \advance\dimen@-\dp\z@ \dimen@\tw@\dimen@ \advance\dimen@\pmbd@rulewidth \advance\dimen@\pmbd@rulewidth \vrule\@width.5\dimen@\@height.5\dimen@\@depth-.5\dimen@ \hss \vrule\@width\pmbd@rulewidth\@depth-.5\dimen@ \end}
\end{verbatim}

### 2.6.12 U+255B
BOX DRAWINGS UP SINGLE AND LEFT DOUBLE

\begin{verbatim}
\DeclareTextCommandDefault{\textSFxxviii}{\% \pmbd@beginC \dimen@\ht\z@ \advance\dimen@-\dp\z@ \dimen@\tw@\dimen@ \advance\dimen@\pmbd@rulewidth \advance\dimen@\pmbd@rulewidth \hss \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen@ \end}
\end{verbatim}

### 2.6.13 U+255C
BOX DRAWINGS UP DOUBLE AND LEFT SINGLE

\begin{verbatim}
\DeclareTextCommandDefault{\textSFxxvii}{\% \pmbd@beginB \dimen@\ht\z@ \advance\dimen@-\dp\z@ \dimen@\tw@\dimen@ \advance\dimen@\pmbd@rulewidth \advance\dimen@\pmbd@rulewidth \hss \vrule\@width.5\wd\z@\@height.5\dimen@\@depth-.5\dimen@ \end}
\end{verbatim}

### 2.6.14 U+255D
BOX DRAWINGS DOUBLE UP AND LEFT

\begin{verbatim}
\DeclareTextCommandDefault{\textSFxxvi}{\% \pmbd@beginC \dimen@\ht\z@ \end}
\end{verbatim}
2.6.15 \textSFxxxvi

BOX DRAWINGS VERTICAL SINGLE AND RIGHT DOUBLE

\DeclareTextCommandDefault{\textSFxxxvi}{%
  \pmbd@beginC
  \dimen@\ht\z@%  
  \advance\dimen@-\dp\z@  
  \dimen\tw@\dimen@%  
  \advance\dimen@\pmbd@rulewidth%  
  \advance\dimen\tw@-\pmbd@rulewidth%  
  \rlap{%  
    \vrule@width.5\dimen@ \height.5\dimen@\@depth-.5\dimen@\tw@%  
  }%  
  \rlap{%  
    \hr\vrule\@width\pmbd@rulewidth\@height\ht\z@\@depth-.5\dimen@\tw@%  
    \kern\pmbd@doublesepH  
    \kern\pmbd@rulewidth  
    \hs%  
  }%  
\endgroup
  \advance\dimen@-\pmbd@doublesepV%  
  \advance\dimen\tw@-\pmbd@doublesepV%  
  \vrule@width\pmbd@doublesepV%  
  \vrule@width\pmbd@doublesepV%  
  \vrule@width\pmbd@doublesepV%  
  \vrule@width\pmbd@doublesepV%  
\pmbd@end%
%}

\textSFxxxvi

U+255E

BOX DRAWINGS VERTICAL SINGLE AND RIGHT DOUBLE
2.6.16 U+255F
BOX DRAWINGS VERTICAL DOUBLE AND RIGHT SINGLE

\DeclareTextCommandDefault{\textSFxxxvii}{%
\pmbd@beginB
\dimen@\ht\z@ \advance\dimen@-\dp\z@
\dimen@\tw@\dimen@ \advance\dimen@\pmbd@rulewidth
\advance\dimen@\pmbd@rulewidth
\rlap% \dimen@\wd\z@ \advance\dimen@-\pmbd@doublesepH
\hb@xt@\wd\z@{% \hfill
\vrule@\@width.5\dimen@ \@height.5\dimen@ \@depth-.5\dimen@\vrule@\@width.5\dimen@ \@height.5\dimen@ \@depth-.5\dimen@\vrule@\@width.5\dimen@ \@height.5\dimen@ \@depth-.5\dimen@\vrule@\@width.5\dimen@ \@height.5\dimen@ \@depth-.5\dimen@% \hss}
\vrule@\@width\pmbd@rulewidth \kern\pmbd@doublesepH \vrule@\@width\pmbd@rulewidth \hss \pmbd@end%
}

2.6.17 U+2560
BOX DRAWINGS DOUBLE VERTICAL AND RIGHT

\DeclareTextCommandDefault{\textSFxlii}{%
\pmbd@beginC
\dimen@\ht\z@ \advance\dimen@-\dp\z@
\dimen@\tw@\dimen@ \advance\dimen@\pmbd@rulewidth
\advance\dimen@\pmbd@rulewidth
\r@{\dimen4 \wd\z@ \advance\dimen4 -\pmbd@doublesepH
\begingroup \advance\dimen@\pmbd@doublesepV \advance\dimen@\pmbd@doublesepV \rlap{% \hb@xt@\wd\z@{% \hss \vrule@\@width.5\dimen@ \@height.5\dimen@ \@depth-.5\dimen@\vrule@\@width.5\dimen@ \@height.5\dimen@ \@depth-.5\dimen@\vrule@\@width.5\dimen@ \@height.5\dimen@ \@depth-.5\dimen@\vrule@\@width.5\dimen@ \@height.5\dimen@ \@depth-.5\dimen@% \hss}
\vrule@\@width\pmbd@rulewidth \kern\pmbd@doublesepH \vrule@\@width\pmbd@rulewidth \hss \pmbd@end%
}

\endgroup
\advance\dimen@-\pmbd@doublesepV \advance\dimen@-\pmbd@doublesepV
\rlap{% \hb@xt@\wd\z@{% \hss \vrule@\@width\pmbd@rulewidth \kern\pmbd@rulewidth \vrule@\@width\pmbd@doublesepH \kern\pmbd@doublesepH \vrule@\@width\pmbd@rulewidth \@height\ht\z@ \@depth-.5\dimen@\vrule@\@width\pmbd@rulewidth \hss \pmbd@end%
}

\endgroup
\advance\dimen@-\pmbd@doublesepV \advance\dimen@-\pmbd@doublesepV
\rlap{% \hb@xt@\wd\z@{% \hss \vrule@\@width\pmbd@rulewidth \kern\pmbd@rulewidth \vrule@\@width\pmbd@doublesepH \kern\pmbd@doublesepH \vrule@\@width\pmbd@rulewidth \@height\ht\z@ \@depth-.5\dimen@\vrule@\@width\pmbd@rulewidth \hss \pmbd@end%
}

\endgroup
\advance\dimen@-\pmbd@doublesepV \advance\dimen@-\pmbd@doublesepV
\rlap{% \hb@xt@\wd\z@{% \hss \vrule@\@width\pmbd@rulewidth \kern\pmbd@rulewidth \vrule@\@width\pmbd@doublesepH \kern\pmbd@doublesepH \vrule@\@width\pmbd@rulewidth \@height\ht\z@ \@depth-.5\dimen@\vrule@\@width\pmbd@rulewidth \hss \pmbd@end%
}

19
2.6.18 \texttt{U+2561}

BOX DRAWINGS VERTICAL SINGLE AND LEFT DOUBLE

\begin{verbatim}
\DECLARETEXTCOMMANDdefault{\textSFxix}{%
\pmbd@beginC
\dimen@ \ht\z@
\advance\dimen@ -\dp\z@
\advance\dimen@ \pmbd@rulewidth
\advance\dimen@ -\pmbd@rulewidth
\rlap{%
\advance\dimen@ \pmbd@doublesepV
\advance\dimen@ \pmbd@doublesepV
\vrule@ \width\z@ \@height\pmbd@rulewidth \@depth-\pmbd@rulewidth
\hss}
\vrule@ \width\pmbd@rulewidth \@height\pmbd@rulewidth
\kern\pmbd@doublesepH
\vrule@ \width\pmbd@rulewidth \@height\pmbd@rulewidth
\hss}
\pmbd@end
\end{verbatim}

2.6.19 \texttt{U+2562}

BOX DRAWINGS VERTICAL DOUBLE AND LEFT SINGLE

\begin{verbatim}
\DECLARETEXTCOMMANDdefault{\textSFxx}{%
\pmbd@beginB
\dimen@ \ht\z@
\advance\dimen@ -\dp\z@
\advance\dimen@ \pmbd@rulewidth
\advance\dimen@ -\pmbd@rulewidth
\rlap{%
\dimen@4 \wd\z@
\advance\dimen@ -\pmbd@doublesepH
\vrule@ \width\z@ \@height\pmbd@rulewidth \@depth-\pmbd@rulewidth
\hss}
\vrule@ \width\pmbd@rulewidth
\kern\pmbd@doublesepH
\vrule@ \width\pmbd@rulewidth
\hss}
\pmbd@end
\end{verbatim}
2.6.20  U+2563

BOX DRAWINGS DOUBLE VERTICAL AND LEFT

\DeclareTextCommandDefault{\textSFxxiii}{%
  \pmbd@beginC
  \dimen@\ht\z@
  \advance\dimen@-\dp\z@
  \dimen@\tw@\dimen@
  \advance\dimen@+\pmbd@rulewidth
  \advance\dimen@+\pmbd@doublesepH
  \advance\dimen@-\pmbd@doublesepV
  \begingroup
    \rlap{\vrule\@width.5\dimen@ \@height.5\dimen@ \@depth-.5\dimen@}
  \endgroup
  \advance\dimen@-\pmbd@doublesepV
  \advance\dimen@-\pmbd@doublesepV
  \rlap{\vrule\@width.5\dimen@ \@height.5\dimen@ \@depth-.5\dimen@}
  \hss
}\pmbd@end
%

2.6.21  U+2564

BOX DRAWINGS DOWN SINGLE AND HORIZONTAL DOUBLE

\ DeclareTextCommandDefault{\textSFxlvii}{%
  \pmbd@beginC
  \dimen@\ht\z@
  \advance\dimen@-\dp\z@
  \dimen@\tw@\dimen@
  \advance\dimen@+\pmbd@rulewidth
  \advance\dimen@+\pmbd@doublesepH
  \advance\dimen@-\pmbd@doublesepV
  \begingroup
    \rlap{\vrule\@width.5\dimen@ \@height.5\dimen@ \@depth-.5\dimen@}
  \endgroup
  \advance\dimen@-\pmbd@doublesepV
  \advance\dimen@-\pmbd@doublesepV
  \rlap{\vrule\@width.5\dimen@ \@height.5\dimen@ \@depth-.5\dimen@}
  \hss
}\pmbd@end
%
2.6.22 U+2565
BOX DRAWINGS DOWN DOUBLE AND HORIZONTAL SINGLE

\DeclareTextCommandDefault{\textSFxlviii}{%
  \pmbd@beginB
  \dimen@\ht\z@
  \advance\dimen@-\dp\z@
  \dimen@tw@\dimen@
  \advance\dimen@\pmbd@rulewidth
  \advance\dimen@tw@-\pmbd@rulewidth
  \rlap{%
    \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen@tw@
  }%}
\hss
\vrule\@width\pmbd@rulewidth\@height.5\dimen@
\kern\pmbd@doublesepH
\vrule\@width\pmbd@rulewidth\@height.5\dimen@
\hss
\pmbd@end
%

2.6.23 U+2566
BOX DRAWINGS DOUBLE DOWN AND HORIZONTAL

\DeclareTextCommandDefault{\textSFxli}{%
  \pmbd@beginC
  \dimen@\ht\z@
  \advance\dimen@-\dp\z@
  \dimen@tw@\dimen@
  \advance\dimen@\pmbd@rulewidth
  \advance\dimen@tw@-\pmbd@rulewidth
  \dimen@\wd\z@
  \advance\dimen@-\pmbd@doublesepH
  \rlap{%
    \advance\dimen@\pmbd@doublesepV
    \advance\dimen@tw@\pmbd@doublesepV
    \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen@tw@
  }%}
\hss
\vrule\@width\pmbd@rulewidth\@height.5\dimen@
\kern\pmbd@doublesepH
\vrule\@width\pmbd@rulewidth\@height.5\dimen@
\hss
\pmbd@end
%

2.6.24 U+2567
BOX DRAWINGS UP SINGLE AND HORIZONTAL DOUBLE

```latex
\DeclareTextCommandDefault{\textSFxlv}{%
  \pmbd@beginC
dimen@\ht\z@
\advance\dimen@-\dp\z@
dimen@\tw@\dimen@
\advance\dimen@-\pmbd@rulewidth
\advance\dimen@tw@-\pmbd@rulewidth
\rlap{%
  \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen@tw@
  \pmbd@doublesepV}
  \advance\dimen@\pmbd@rulewidth
  \advance\dimen@tw@-\pmbd@doublesepV
  \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen@tw@
  \pmbd@doublesepV
  \rlap{%
  \vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen@tw@
  \pmbd@doublesepV}
\hss
\vrule\@width\pmbd@rulewidth\@height-.5\dimen@tw@
\hss
\pmbd@end}
\endinput
```

2.6.25 U+2568
BOX DRAWINGS UP DOUBLE AND HORIZONTAL SINGLE

```latex
\DeclareTextCommandDefault{\textSFxlvi}{%
  \pmbd@beginB
dimen@\ht\z@
\advance\dimen@-\dp\z@
dimen@\tw@\dimen@
\advance\dimen@-\pmbd@rulewidth
\advance\dimen@tw@-\pmbd@rulewidth
\dimen4 \wd\z@
\advance\dimen@\pmbd@doublesepH
\begingroup
\vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen@tw@
\pmbd@doublesepV
\endgroup
\hss
\vrule\@width\pmbd@rulewidth\@depth-.5\dimen@tw@
\hss
\pmbd@end
\endinput
```

2.6.26 U+2569
BOX DRAWINGS DOUBLE UP AND HORIZONTAL

```latex
\DeclareTextCommandDefault{\textSFxl}{%
  \pmbd@beginC
dimen@\ht\z@
\advance\dimen@-\dp\z@
dimen@\tw@\dimen@
\advance\dimen@-\pmbd@rulewidth
\advance\dimen@tw@-\pmbd@rulewidth
\dimen4 \wd\z@
\advance\dimen4-\pmbd@doublesepH
\begingroup
\vrule\@width\wd\z@\@height.5\dimen@\@depth-.5\dimen@tw@
\pmbd@doublesepV
\endgroup
\hss
\vrule\@width\pmbd@rulewidth\@depth-.5\dimen@tw@
\hss
\pmbd@end
\endinput
```
2.6.27  U+256A

BOX DRAWINGS VERTICAL SINGLE AND HORIZONTAL DOUBLE

\DeclareTextCommandDefault{\textSFliv}{%
  \pmbd@beginC
  \dimen@\ht\z@
  \advance\dimen@-\dp\z@
  \dimen@\dimen@%
  \advance\dimen@\pmbd@rulewidth
  \advance\dimen@-\pmbd@rulewidth
  \rlap{%
    \vrule\ht\z@\depth-.5\dimen@%
    \hss}
  \rlap{%
    \vrule\ht\z@\depth-.5\dimen@%
    \hss}
  \pmbd@end
%}

2.6.28  U+256B

BOX DRAWINGS VERTICAL DOUBLE AND HORIZONTAL SINGLE

\DeclareTextCommandDefault{\textSFliii}{%
  \pmbd@beginB
  \dimen@\ht\z@
  \advance\dimen@-\dp\z@
  \dimen@\dimen@%
  \advance\dimen@\pmbd@rulewidth
  \advance\dimen@-\pmbd@rulewidth
  \rlap{%
    \vrule\ht\z@\depth-.5\dimen@%
    \hss%
    \vrule\ht\z@\depth-.5\dimen@%
    \hss}
  \pmbd@end
%}
\DeclareTextCommandDefault{\textSFxliv}{\pmbd@beginC\dimen@\ht\z@\advance\dimen@-\dp\z@\dimen@\tw@\dimen@\advance\dimen@\pmbd@rulewidth\advance\dimen@\tw@-\pmbd@rulewidth\dimen@4\wd\z@\advance\dimen@-\pmbd@doublesepH\vrule\@width.5\dimen4\@height.5\dimen@\@depth-.5\dimen@\hss\vrule\@width.5\dimen4\@height.5\dimen@\@depth-.5\dimen@\hss\pmbd@end}}

\textSFxliv
\vrule\@width\pmbd@rulewidth\kern\pmbd@doublesepH\vrule\@width\pmbd@rulewidth
\hss\pmbd@end

2.6.29 \texttt{U+256C}

\begin{verbatim}
BOX DRAWINGS DOUBLE VERTICAL AND HORIZONTAL
\DeclarationsTextCommandDefault{\textSFxliv}\%
\pmbd@beginC\dimen@\ht\z@\advance\dimen@-\dp\z@\dimen@\tw@\dimen@\advance\dimen@\pmbd@rulewidth\advance\dimen@\tw@-\pmbd@rulewidth\dimen@4\wd\z@\advance\dimen@-\pmbd@doublesepH\vrule\@width.5\dimen4\@height.5\dimen@\@depth-.5\dimen@\hss\vrule\@width.5\dimen4\@height.5\dimen@\@depth-.5\dimen@\hss\pmbd@end
\end{verbatim}

2.7 Unicode support file
\ProvidesFile{pmboxdrawenc.dfu}
3 Installation

3.1 Download

Package. This package is available on CTAN\(^1\):

\texttt{CTAN:macros/latex/contrib/oberdiek/pmboxdraw.dtx} The source file.


\footnote{ftp://ftp.ctan.org/tex-archive/}
**Bundle.** All the packages of the bundle ‘oberdiek’ are also available in a TDS compliant ZIP archive. There the packages are already unpacked and the documentation files are generated. The files and directories obey the TDS standard.

CTAN:install/macros/latex/contrib/oberdiek.tds.zip

TDS refers to the standard “A Directory Structure for \TeX\ Files” (CTAN:tds/tds.pdf). Directories with `texmf` in their name are usually organized this way.

### 3.2 Bundle installation

**Unpacking.** Unpack the `oberdiek.tds.zip` in the TDS tree (also known as `texmf` tree) of your choice. Example (linux):

```
unzip oberdiek.tds.zip -d ~/texmf
```

**Script installation.** Check the directory `TDS:scripts/oberdiek/` for scripts that need further installation steps. Package `attachfile2` comes with the Perl script `pdfatfi.pl` that should be installed in such a way that it can be called as `pdfatfi`. Example (linux):

```
chmod +x scripts/oberdiek/pdfatfi.pl
cp scripts/oberdiek/pdfatfi.pl /usr/local/bin/
```

### 3.3 Package installation

**Unpacking.** The `.dtx` file is a self-extracting docstrip archive. The files are extracted by running the `.dtx` through plain-\TeX:

```
tex pmboxdraw.dtx
```

**TDS.** Now the different files must be moved into the different directories in your installation TDS tree (also known as `texmf` tree):

```
pmboxdraw.sty → tex/latex/oberdiek/pmboxdraw.sty
pmboxdrafenc.dfu → tex/latex/oberdiek/pmboxdrafenc.dfu
pmboxdraw.pdf → doc/latex/oberdiek/pmboxdraw.pdf
pmboxdraw.dtx → source/latex/oberdiek/pmboxdraw.dtx
```

If you have a `docstrip.cfg` that configures and enables docstrip’s TDS installing feature, then some files can already be in the right place, see the documentation of docstrip.

### 3.4 Refresh file name databases

If your \TeX\ distribution (\TeX, \textsf{mikTeX}, \ldots) relies on file name databases, you must refresh these. For example, \TeX\ users run `texhash` or `mktexlsr`.

### 3.5 Some details for the interested

**Attached source.** The PDF documentation on CTAN also includes the `.dtx` source file. It can be extracted by AcrobatReader 6 or higher. Another option is `pdftk`, e.g. unpack the file into the current directory:

```
pdftk pmboxdraw.pdf unpack_files output .
```
Unpacking with \LaTeX. The .dtx chooses its action depending on the format:

plain-\LaTeX: Run docstrip and extract the files.
\LaTeX: Generate the documentation.

If you insist on using \LaTeX for docstrip (really, docstrip does not need \LaTeX), then inform the autodetect routine about your intention:

\begin{verbatim}
latex \let\install=y\input{pmboxdraw.dtx}
\end{verbatim}

Do not forget to quote the argument according to the demands of your shell.

Generating the documentation. You can use both the .dtx or the .drv to generate the documentation. The process can be configured by the configuration file ltxdoc.cfg. For instance, put this line into this file, if you want to have A4 as paper format:

\begin{verbatim}
\PassOptionsToClass{a4paper}{article}
\end{verbatim}

An example follows how to generate the documentation with pdf\LaTeX:

\begin{verbatim}
pdflatex pmboxdraw.dtx
makeindex -s gind.ist pmboxdraw.idx
pdflatex pmboxdraw.dtx
makeindex -s gind.ist pmboxdraw.idx
pdflatex pmboxdraw.dtx
\end{verbatim}

4 References


5 History

[2006/05/03 v1.0]

• First version.

6 Index

Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

<table>
<thead>
<tr>
<th>Symbols</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>@firstofone</td>
<td>107</td>
</tr>
<tr>
<td>@ifundefined</td>
<td>67, 78, 89</td>
</tr>
<tr>
<td>@secondoftwo</td>
<td>106</td>
</tr>
<tr>
<td>\box</td>
<td>31</td>
</tr>
</tbody>
</table>