

The tablefootnote package

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2011/10/29 v1.0b

Abstract

This L^AT_EX package provides the command `\tablefootnote` to be used in a `table` or `sidewaystable` environment, where `\footnote` will not work and when using `\footnotemark` and `\footnotetext` and adjusting the counters (including `Hfootnote`) manually is either too much work or would not even work (`sidewaystable`).

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Save per page about 200 ml water, 2 g CO₂ and 2 g wood:
Therefore please print only if this is really necessary.

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1 Introduction

This L^AT_EX package provides the command `\tablefootnote{...}` to be used in a `table` or `sidewaystable` environment. In those environments `\footnote{...}` would not work and would need to be replaced by `\footnotemark` in the `(sideways)table` and `\footnotetext{...}` after the `(sideways)table` environment ended. Additionally the counters for `footnote` and (when the `hyperref` package is used) `Hfootnote` would need to be adjusted manually. Then still the hyperlinks in a `(sideways)table` would not work. Just using `\tablefootnote{...}` in the `(sideways)table` does all this automatically. (Redefining `\footnote` was *not* done as to not create conflicts with other packages.)

2 Usage

Just load the package placing

```
\usepackage{tablefootnote}
```

in the preamble of your L^AT_EX 2_ε source file and use `\tablefootnote{...}` instead of `\footnote{...}` in `(sideways)table`s. If `\tablefootnote{...}` is used in a tabular environment, which is inside of a `(sideways)table` environment, everything is fine, but when the tabular environment is not inside of a `(sideways)table`, the `tablefootnote` will not work.

When the `(sideways)table` floats, the footnotes are set and (when `hyperref` is used) hyperlinked, but they are not automatically adapted when the table floats over/under another footnote. Thus either do not use a footnote between original and float position of the `(sideways)table`, or place the `(sideways)table` in “here” position. `\clear(double)page, h(!)`, `H` from the `float` package, or `\FloatBarrier` from the `picins` package might help, too. (Or after finishing the document, move the `(sideways)table` in the source code near the position where it floats to.)

3 Alternatives

- The `longtable` package provides the `longtable` environment as replacement for the combined `table` and `tabular` environments. Footnotes are real footnotes (not just tablenotes), are continuously numbered and hyperlinked (when using the `hyperref` package), and the hyperlinks really work. As drawback the appearance of the caption changes slightly (e.g. distance to the table, width of the caption), which can probably be changed back manually. Furthermore, longtables are meant to break over more than one page. If that is not wished, it must be prevented by `\nopagebreak`-commands and by ending the longtable lines with `*` instead of `\\`. longtables do not float. (Therefore using the `tablefootnote` package and `\FloatBarrier` from the `picins` package before and after the table environment is similar - but `tablefootnote` does not change the table-caption!) `sidewaystable` does not work with it.
<http://www.ctan.org/pkg/longtable>
- The `supertabular` package provides the `mpsupertabular` environment as replacement for the combined `table` and `tabular` environments. Footnotes are just tablenotes (with working hyperlinks when using the `hyperref` package), i.e. numbered a, b, c and placed below the table and not at the end of the page. Therefore there is no float problem (because the tablenotes numbering is not included in the continuous numbering of the footnotes). Placing the `supertabular` inside of a `sidewaystable` breaks the hyperlinks to the tablenotes.
<http://www.ctan.org/pkg/supertabular>
- The `ctable` package has its very own notation for defining tables. It can create tablenotes and sideways-tables. The tablenotes are not automatically hyperlinked. The `ctables` float. Because the tablenotes numbering is not included in the continuous numbering of the footnotes there is no float problem.
<http://www.ctan.org/pkg/ctable>
- The `footnote` package provides `\makesavenoteenv{table}`. After loading the package and using that command in the preamble, in tables `\footnote{...}` can be used. Using `\makesavenoteenv{tabular}` and `\makesavenoteenv{sidewaystable}` is possible, but it neither solves the float problem, nor do the created hyperlinks work (i.e. they aim at wrong locations). The `mdwtab` from the same bundle is incompatible with other table-related packages (e.g. `supertabular`, `array`) and not 100% compatible with the `tabular` environment.
<http://www.ctan.org/pkg/footnote>
<http://www.ctan.org/pkg/mdwtab>
- The `tabularx` package does produce footnotes for sideways-tables, but uses a, b, c instead of 1, 2, 3. The hyperlinks to the footnotes do not work. Because the footnotes numbering is not included in the continuous numbering of the other footnotes there is no float problem.
<http://www.ctan.org/pkg/tabularx>
- Placing a tabular inside a minipage inside a table produces tablenotes. Therefore there is no float problem (because the footnotes are not continuously numbered). The hyperlinks to the table notes indeed work.

- The `threeparttable` package creates tablenotes again. Therefore there is no float problem (because the tablenotes are not continuously numbered with the footnotes). There are no hyperlinks to the table notes (at least not automatically). Using `sidewaystable` (with table notes) works.
<http://www.ctan.org/pkg/threeparttable>
- The `threeparttablex` package creates tablenotes again. Therefore there is no float problem (because the tablenotes are not continuously numbered with the footnotes). With option `referable` the tablenotes are hyperlinked. Use of a `sidewaystable` (with table notes) did not work for me. When using the `referable` option according to the example in the `threeparttablex` manual the `longtable` package is used, therefore that package could be used directly without `threeparttablex` (see above).
<http://www.ctan.org/pkg/threeparttablex>
- One can manually use `\footnotemark` in the table and `\footnotetext{...}` after the table environment ended and manually change the `footnote` and (when the `hyperref` package is used) `Hfootnote` counters and needs to insert

```

\makeatletter
\global\let\Hy@saved@currentHref\@currentHref
\hyper@makecurrent{Hfootnote}%
\global\let\Hy@footnote@currentHref\@currentHref
\global\let\@currentHref\Hy@saved@currentHref
\makeatother

```

before each `\footnotetext{...}`, but with more than very few footnotes this can become much work (and prone to produce errors). And this does not even work with `sidewaystables`.

(You programmed or found another alternative, which is available at [CTAN](#)? OK, send an e-mail to me with the name, location at [CTAN](#):, and a short notice, and I will probably include it in the list above.)

4 Example

```
1 (*example)
2 \documentclass[british]{article}[2007/10/19]% v1.4h
3 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
4 \usepackage{float}[2001/11/08]% v1.3d
5 \usepackage{placeins}[2005/04/18]% v2.2 ; for \FloatBarrier
6
7 \usepackage{rotating}[2009/03/28]% v2.16a; for sidewaysstable-environment
8
9 \usepackage{tablefootnote}[2011/10/29]% v1.0b
10
11 \usepackage[%
12 extension=pdf,%
13 plainpages=false,%
14 pdfpagelabels=true,%
15 hyperindex=false,%
16 pdflang={en},%
17 pdftitle={tablefootnote package example},%
18 pdfauthor={Hans-Martin Muench},%
19 pdfsubject={Example for the tablefootnote package},%
20 pdfkeywords={LaTeX, tablefootnote, footnote, table, Hans-Martin Muench},%
21 % pdfview=FitH and FitBH do not work: hyperlinks in sidewaystables
22 % aim at the end of the document, not at the footnote
23 % pdfview=Fit, FitV, FitR, FitB, FitBV work
24 % print is OK for all those options
25 pdfstartview=FitH,%
26 pdfpagelayout=OneColumn%
27 ]{hyperref}[2011/10/01]% v6.82j
28
29 \gdef\unit#1{\mathord{\thinspace\mathrm{#1}}}%
30 \listfiles
31 \begin{document}
32 \pagenumbering{arabic}
33 \section*{Example for tablefootnote}
34
35 This example demonstrates the use of package\newline
36 \textsf{tablefootnote}, v1.0b as of 2011/10/29 (HMM).\newline
37 There were no options used. (The package provides no options.)\newline
38
39 \textbf{The \texttt{tablefootnote-example.tex} needs to be compiled}
40 \textbf{at least twice to get the references right!}\newline
41
42 If the etoolbox-package is found, it is automatically used.\newline
43
44 For more details please see the documentation!\newline
45
46 \noindent Save per page about $200\unit{ml}$ water,
47 $2\unit{g}$ CO$_2$ and $2\unit{g}$ wood:\newline
48 Therefore please print only if this is really necessary.\newline
49
50 Here is some text.\footnote{And this is a text footnote.}\newline
51
52 Tables \ref{tab.first}, \ref{tab.another} and \ref{tab.floatH} show
53 normal tables, table~\ref{tab.sideways} depicts a sidewaysstable.
54 Table~\ref{tab.floatH} uses the float specifier~\texttt{H} from the
55 float package.\newline
56
```

```

57 \texttt{Hyperref} option \verb|pdfview=FitH| and \verb|FitBH| do
58 not work: hyperlinks in sidewaystables aim at the end of the document,
59 not at the footnote. \verb|pdfview=Fit|, \verb|FitV|, \verb|FitR|,
60 \verb|FitB|, \verb|FitBV| work, print is OK for all those options.
61
62 \bigskip
63
64 \listoftables
65
66 \pagebreak
67
68 \begin{table}
69 \centering
70 \begin{tabular}{ccc}
71 Some\tablefootnote{A table footnote.} & & %
72 text\tablefootnote{Another table footnote.} & & %
73 in a table\tablefootnote{A third table footnote.}
74 \end{tabular}
75 \caption[A table]{A first table\label{tab.first}}
76 \end{table}
77
78 Some text.\footnote{Another text footnote.}
79
80 \pagebreak
81
82 More text.\footnote{And yet another text footnote.}
83
84 \begin{table}[t]
85 \centering
86 \begin{tabular}{|c|c|c|}
87 \hline
88 Another\tablefootnote{A $\$2^{\text{nd}}$ table footnote.} & & %
89 text\tablefootnote{Another $\$2^{\text{nd}}$ table footnote.} & & %
90 in a table\tablefootnote{A $\$2^{\text{nd}}$ third table footnote.}\\ \hline
91 \end{tabular}
92 \caption[Another table]{Another table (second one)\label{tab.another}}
93 \end{table}
94
95 Please note that the table floated to the top of the page. While the
96 footnotes are set and (when hyperref is used) hyperlinked, they are
97 not automatically adapted. Thus either do not use a footnote at the
98 same page before the table, or place the table in
99 \textquotedblleft here\textquotedblright or
100 \textquotedblleft bottom\textquotedblright position.
101 \verb|\clear(double)page|, \verb|h(!)|, \verb|H|~from the
102 \texttt{float} package, or \verb|\FloatBarrier| from the
103 \texttt{picins} package might help, too. (Or move the table in the
104 source code near the position where it floats to.)
105
106 Table~\ref{tab.floatH} (page~\pageref{tab.floatH}) uses float specifier
107 \texttt{H} from the float package and does not float.
108
109 Some text.\footnote{This is just another text footnote.}
110
111 \pagebreak
112

```

```

113 \FloatBarrier
114
115 \begin{sidewaystable}
116 \centering%
117 \begin{tabular}{ccc}
118 Text\tablefootnote{Rotate view for testing the hyperlinks.} & %
119 in a\tablefootnote{Another sidewaystable footnote.} & %
120 sidewaystable%
121 \tablefootnote{Sidewaystable-environment provided by %
122 \url{http://CTAN.org/pkg/rotating} package.}
123 \end{tabular}
124 \caption[A sideways table]{A table in the \texttt{sideways} %
125 environment\label{tab.sideways}}%
126 \end{sidewaystable}%
127
128 \FloatBarrier
129
130 \pagebreak
131
132 A last table, here with float specifier \texttt{H} from the
133 float\footnote{\url{http://CTAN.org/pkg/float}} package.
134
135 \begin{table}[H]
136 \centering
137 \begin{tabular}{ccc}
138 Another\tablefootnote{A  $4^{\text{th}}$  table footnote.} & %
139 text\tablefootnote{Another  $4^{\text{th}}$  table footnote.} & %
140 in a table\tablefootnote{A  $4^{\text{th}}$  third table footnote.}
141 \end{tabular}
142 \caption[A last table]{A very last table\label{tab.floatH}}
143 \end{table}
144
145 Some text.\footnote{This is just another text footnote.}
146
147 \pagebreak
148
149 End of the example for the
150 tablefootnote\footnote{\url{http://CTAN.org/pkg/tablefootnote}} package.
151
152 \end{document}
153 \end{example}

```

5 The implementation

We start off by checking that we are loading into L^AT_EX 2_ε and announcing the name and version of this package.

```
154 (*package)
155 \NeedsTeXFormat{LaTeX2e}[2011/06/27]
156 \ProvidesPackage{tablefootnote}[2011/10/29 v1.0b
157       Table foot notes (HMM)]
158
```

A short description of the tablefootnote package:

```
159 %% Provides the \tablefootnoteote{...} command
160 %% for footnotes in (sideways)tables.
161
```

We need the ltxcmds package by HEIKO OBERDIEK:

```
162 \RequirePackage{ltxcmds}[2011/04/18]%    v1.20
163
```

When the rotating package (for sidewaystables) is used, some more packages are needed:

```
164 \@ifpackageloaded{rotating}{%
165   \gdef\tfn@rotating{1}
166   \@ifpackagelater{rotating}{2009/03/28}% 2009/03/28 v2.16a
167   {% >= 2009/03/28, OK
168   }{% else
169     \PackageWarningNoLine{tablefootnote}{%
170       It is required version\MessageBreak
171       2009/03/28 v2.16a (or later) of package rotating,\MessageBreak
172       but only version\MessageBreak
173       ‘\csname ver@rotating.sty\endcsname’\MessageBreak
174       is available}%
175   }%
176   \RequirePackage{amstext}[2000/06/29]%    v2.01
177   \RequirePackage{setspace}[2000/12/01]%    v6.7
178   \RequirePackage{subcaption}[2011/09/12]% v1.1b
179 }{% else
180   \gdef\tfn@rotating{0}%
181 }
182
```

A last information for the user:

```
183 %% tablefootnote may work with earlier versions of LaTeX and those
184 %% packages, but this was not tested. Please consider updating
185 %% your LaTeX and packages to the most recent version
186 %% (if they are not already the most recent version).
187
```

See subsection 6.1 about how to get them.

There are no options to be processed.

We need some definitions:

```
188 \def\tfn@footnotetablecount{0}
189 \def\tfn@footnotetableprint{0}
190 \def\tfn@footnotezero{0}
191 \def\tfn@fnt{0}
192 \def\tfn@swt{0}% _s_ide_w_ays_t_able
193
```


`\tfn@footnotemarks` `\tfn@footnotemarks` uses the `\footnotemark` command to place a foot note mark and decreases the `\tfn@footnotetablecount` (i.e. increases the negative value) of the number of footnote(marks) in the table.

```

194 \newcommand{\tfn@footnotemarks}{%
195   \footnotemark%
196   \count255=\tfn@footnotetablecount \relax%
197   \count255=\numexpr \count255 - 1 \relax%
198   \xdef\tfn@footnotetablecount{\the\count255}%
199 }
200

```

`\tfn@footnotetext` `\tfn@footnotetext` contains the `\footnotetext{...}` command and handles the numbering. `\tfn@footnotetext` will be executed after the table. The foot note counter has been increased automatically with each `\footnotemark`, therefore it must be reset to its value before the table began.

```

201 \newcommand{\tfn@footnotetext}[1]{%
202   \ifx\tfn@footnotetableprint\tfn@footnotezero%
203   % This is the first footnotetext after the (sideways)table.
204   \addtocounter{footnote}{\tfn@footnotetablecount}%

```

When the `hyperref` package is used, also its `Hfootnote` counter must be reset.

```

205   \ltx@ifpackageloaded{hyperref}{%
206     \addtocounter{Hfootnote}{\tfn@footnotetablecount}%
207   }{}%

```

For further footnotes in that table this must not be repeated, therefore we deactivate this by defining `\tfn@footnotetableprint` to something other than 0 (here 1 is used).

```

208   \gdef\tfn@footnotetableprint{1}%
209   \fi%

```

For issuing the text for the next footnote the footnote-counter (and `Hfootnote` counter) are increased by one.

```

210   \addtocounter{footnote}{+1}%
211   \ltx@ifpackageloaded{hyperref}{%
212     \addtocounter{Hfootnote}{+1}%

```

The `hyperref` package was not expecting this kind of change of the (H)footnote numbers, therefore some codelines are missing here which can be found at other places in that same package.

```

213   % Code form the hyperref package, 2011/10/01, v6.82j,
214   % by Heiko Oberdiek
215   \global\let\Hy@saved@currentHref\@currentHref%
216   \hyper@makecurrent{Hfootnote}%
217   \global\let\Hy@footnote@currentHref\@currentHref%
218   \global\let\@currentHref\Hy@saved@currentHref%
219   % End of code form the hyperref package

```

When `hyperref` is not loaded, nothing is to be done here.

```

220   }{}%

```

The `\footnotetext{...}` places the foot note text as usual.

```

221   \ifx\tfn@swt\tfn@footnotezero%
222     \footnotetext{#1}%
223   \else%
224     \footnotetext{$^{\text{\thefootnote}}$\thinspace #1}%
225   \fi%

```

`\tfn@footnotetablecount` contains the negative number of footnote texts to be printed, therefore it is increase by one (i.e. the negative number decreases, i.e. -3 becomes -2).

```
226 \count255=\tfn@footnotetablecount \relax%
227 \count255=\numexpr \count255 + 1 \relax%
228 \xdef\tfn@footnotetablecount{\the\count255}%
```

When it is zero, all footnote texts have been placed, and `\tfn@footnotetableprint` can be reset to zero and `\tfn@tablefootnoteprintout` can be cleared.

```
229 \ifx\tfn@footnotetablecount\tfn@footnotezero% all footnotes placed
230 \gdef\tfn@footnotetableprint{0}%
231 \global\let\tfn@tablefootnoteprintout\relax% brute force
232 %\else there is at least one \footnotemark which needs \footnotetext
233 \fi
234 }
235
```

`\tfn@tablefootnoteprintout` When something shall be cleared or redefined, it is a good idea to define it. It will be later filled with the foot note text to be printed.

```
236 \newcommand{\tfn@tablefootnoteprintout}{\relax}
237
```

`\tablefootnote` `\tablefootnote{...}` is the command to be used by the user instead of `\footnote{...}` in the table. It places a foot note mark via `\tfn@footnotemarks` and appends a `\tfn@footnotetext{#1}` to the `\tfn@tablefootnoteprintout` macro. (And remembers that table foot notes have been used.)

```
238 \newcommand{\tablefootnote}[1]{%
239 \tfn@footnotemarks%
240 \ltx@GlobalAppendToMacro{%
241 \tfn@tablefootnoteprintout}{\tfn@footnotetext{#1}}%
242 \gdef\tfn@fnt{1}%
243 }
244
```

`\tablefootnote` For `sidewaystable`s the `\tfn@tablefootnoteprintout` is placed in a `\subcaptionbox`, which can be placed at the same place as the `sidewaystable`:

```
245 \newcommand{\tfn@swtbox}{%
246 \vspace{0.8cm}%
247 \begin{spacing}{0.1}%
248 \subcaptionbox*{}[\linewidth][l]{\tfn@tablefootnoteprintout}%
249 \end{spacing}%
250 }
251
```

`\tfn@tablefootnoteprintout` shall be executed after the end of the table environment. The `etoolbox` package provides very easy syntax for this:

```
252 \IfFileExists{etoolbox.sty}{%
253 \RequirePackage{etoolbox}
254 \AfterEndEnvironment{table}{%
255 \tfn@tablefootnoteprintout%
256 \gdef\tfn@fnt{0}%
257 }
```

When the rotating package has been loaded, we need to detect whether the `\tablefootnote` is placed inside of a `sidewaystable`.

```

258 \ltx@ifpackageloaded{rotating}{%
259   \AtBeginEnvironment{sidewaystable}{%
260     \gdef\tfn@swt{1}%
261   }

```

At the end of `sidewaystable` environments `\tfn@swtbox` shall be placed (if there was any `\tablefootnote` in that `sidewaystable` at all). And `\tfn@swt` as well as `\tfn@fnt` must be reset to 0.

```

262   \AtEndEnvironment{sidewaystable}{%
263     \ifx\tfn@fnt\tfn@footnotezero% \relax
264     \else%
265       \tfn@swtbox%
266     \fi%
267     \gdef\tfn@swt{0}%
268     \gdef\tfn@fnt{0}%
269   }%
270 }{}%
271 }{%

```

When the `etoolbox` package is not available (e.g. because of missing ε -TeX) we do a workaround:

```

272 \PackageWarning{tablefootnote}{%
273   Package etoolbox not available, therefore\MessageBreak%
274   substituting commands \string\AtEndEnvironment\space %
275   and\MessageBreak%
276   \string\AfterEndEnvironment\space for tablefootnotes%
277 }%
278 \let\tfnorigtable\table
279 \let\tfnendorigtable\endtable
280 \renewenvironment{table}{%
281   \tfnorigtable%
282 }{%
283   \tfnendorigtable%
284   \tfn@tablefootnoteprintout%
285 }
286 \ltx@ifpackageloaded{rotating}{%
287   \let\tfnorigsidewaystable\sidewaystable
288   \let\tfnendorigsidewaystable\endsidewaystable
289   \renewenvironment{sidewaystable}{%
290     \gdef\tfn@swt{1}%
291     \tfnorigsidewaystable%
292   }{%
293     \ifx\tfn@fnt\tfn@footnotezero% \relax
294     \else%
295       \tfn@swtbox%
296     \fi%
297     \gdef\tfn@swt{0}%
298     \gdef\tfn@fnt{0}%
299     \tfnendorigsidewaystable%
300   }%
301 }{}%
302 }
303

```

`\AtBeginDocument` When the rotating package has been loaded after the `tablefootnote` package, the `amstext`, `setspace`, and `subcaption` packages have not been loaded automatically by the `tablefootnote` package (and there was no check of their required version). An error message is given. In this case the `\tablefootnotes` in `sidewaystables` would not work!

```

304 \AtBeginDocument{%
305   \ltx@ifpackageloaded{rotating}{%
306     \ifx\tfn@rotating\tfn@footnotezero%
307       \PackageError{tablefootnote}{%
308         Package rotating loaded after package tablefootnote}{%
309         When using both the rotating and the tablefootnote package,%
310         \MessageBreak%
311         the rotating package must be loaded before the tablefootnote%
312         package!%
313       }%
314     \fi%
315   }{}
316 }
317
    That's it!
318 \end{package}

```

6 Installation

6.1 Downloads

Everything is available at CTAN: <http://www.ctan.org/tex-archive/>, but may need additional packages themselves.

`tablefootnote.dtx` For unpacking the `tablefootnote.dtx` file and constructing the documentation it is required:

- T_EX Format L^AT_EX 2_ε: <http://www.CTAN.org/>
- document class `ltxdoc`, 2007/11/11, v2.0u, <http://ctan.org/pkg/ltxdoc>
- package `hltxdoc`, 2011/02/04, v0.21, <http://ctan.org/pkg/hltxdoc>
- package `hypdoc`, 2010/03/26, v1.9, <http://ctan.org/pkg/hypdoc>

`tablefootnote.sty` The `tablefootnote.sty` for L^AT_EX 2_ε (i. e. each document using the `tablefootnote` package) requires:

- T_EX Format L^AT_EX 2_ε, <http://www.CTAN.org/>
- package `ltxcmds`, 2011/04/18, v1.20, <http://ctan.org/pkg/ltxcmds>

When the `rotating` package is used (for its `sidewaystable` environment; 2009/03/28, v2.16a, <http://ctan.org/pkg/rotating>) also the `amstext`, `setspace`, and `subcaption` packages are needed (they will be loaded automatically by the `tablefootnote` package, if `rotating` is loaded *before* `tablefootnote`).

- package `amstext`, 2000/06/29, v2.01, <http://ctan.org/pkg/amstext>
- package `setspace`, 2000/12/01, v6.7, <http://ctan.org/pkg/setspace>
- package `subcaption`, 2011/09/12, v1.1b, <http://ctan.org/pkg/subcaption>

(loading themselves further packages).

`tablefootnote-example.tex` The `tablefootnote-example.tex` requires the same files as all documents using the `tablefootnote` package, i. e. the ones named above and additionally:

- class `article`, 2007/10/19, v1.4h, from `classes.dtx`:
[CTAN:macros/latex/base/classes.dtx](http://www.ctan.org/macros/latex/base/classes.dtx)
- package `rotating`, 2009/03/28, v2.16a, <http://ctan.org/pkg/rotating>
- package `float`, 2001/11/08, v1.3d, <http://ctan.org/pkg/float>
- package `placeins`, 2005/04/18, v2.2, <http://ctan.org/pkg/placeins>
for `\FloatBarrier`
- package `hyperref`, 2011/10/01, v6.82j, <http://ctan.org/pkg/hyperref>
- package `tablefootnote`, 2011/10/29, v1.0b,
<http://ctan.org/pkg/tablefootnote>

(Well, it is the example file for this package, and because you are reading the documentation for the `tablefootnote` package, it can be assumed that you already have some version of it – is it the current one?)

Oberdiek All packages of HEIKO OBERDIEK’S bundle ‘oberdiek’ (especially holtxdoc and
holtxdoc ltxcmds) are also available in a TDS compliant ZIP archive:
ltxcmds [CTAN:install/macros/latex/contrib/oberdiek.tds.zip](http://mirror.ctan.org/install/macros/latex/contrib/oberdiek.tds.zip).
It is probably best to download and use this, because the packages in there are
quite probably both recent and compatible among themselves.

hyperref hyperref is not included in that bundle and needs to be downloaded separately,
<http://mirror.ctan.org/install/macros/latex/contrib/hyperref.tds.zip>.

Münch A hyperlinked list of my (other) packages can be found at <http://www.Uni-Bonn.de/~uzs5pv/LaTeX.html>.

6.2 Package, unpacking TDS

Package. This package is available on [CTAN](http://mirror.ctan.org/install/macros/latex/contrib/tablefootnote.tds.zip):

[CTAN:macros/latex/contrib/tablefootnote/tablefootnote.dtx](http://mirror.ctan.org/install/macros/latex/contrib/tablefootnote/tablefootnote.dtx)

The source file.

[CTAN:macros/latex/contrib/tablefootnote/tablefootnote.pdf](http://mirror.ctan.org/install/macros/latex/contrib/tablefootnote/tablefootnote.pdf)

The documentation.

[CTAN:macros/latex/contrib/tablefootnote/tablefootnote-example.pdf](http://mirror.ctan.org/install/macros/latex/contrib/tablefootnote/tablefootnote-example.pdf)

The compiled example file, as it should look like.

[CTAN:macros/latex/contrib/tablefootnote/README](http://mirror.ctan.org/install/macros/latex/contrib/tablefootnote/README)

The README file.

[CTAN:install/macros/latex/contrib/tablefootnote.tds.zip](http://mirror.ctan.org/install/macros/latex/contrib/tablefootnote.tds.zip)

Everything in TDS compliant, compiled format.

which additionally contains

tablefootnote.ins	The installation file.
tablefootnote.drv	The driver to generate the documentation.
tablefootnote.sty	The <code>.sty</code> file.
tablefootnote-example.tex	The example file.

For required other packages, see the preceding subsection.

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

```
tex tablefootnote.dtx
```

About generating the documentation see paragraph 6.4 below.

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

tablefootnote.sty	→ tex/latex/tablefootnote.sty
tablefootnote.pdf	→ doc/latex/tablefootnote.pdf
tablefootnote-example.tex	→ doc/latex/tablefootnote-example.tex
tablefootnote-example.pdf	→ doc/latex/tablefootnote-example.pdf
tablefootnote.dtx	→ source/latex/tablefootnote.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.

6.3 Refresh file name databases

If your $\text{T}_{\text{E}}\text{X}$ distribution ($\text{t}_{\text{E}}\text{X}$, $\text{m}_{\text{ik}}\text{T}_{\text{E}}\text{X}$,...) relies on file name databases, you must refresh these. For example, $\text{t}_{\text{E}}\text{X}$ users run `texhash` or `mktextlsr`.

6.4 Some details for the interested

Unpacking with $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$. The `.dtx` chooses its action depending on the format:

plain $\text{T}_{\text{E}}\text{X}$: Run `docstrip` and extract the files.

$\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$: Generate the documentation.

If you insist on using $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ for `docstrip` (really, `docstrip` does not need $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$), then inform the `autodetect` routine about your intention:

```
latex \let\install=y\input{tablefootnote.dtx}
```

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 a configuration file `ltxdoc.cfg`. For instance, put this line into this file, if you want to have A4 as paper format:

```
\PassOptionsToClass{a4paper}{article}
```

An example follows how to generate the documentation with `pdf $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$` :

```
pdflatex tablefootnote.dtx
makeindex -s gind.ist tablefootnote.idx
pdflatex tablefootnote.dtx
makeindex -s gind.ist tablefootnote.idx
pdflatex tablefootnote.dtx
```

6.5 Compiling the example

The example file, `tablefootnote-example.tex`, can be compiled via `(pdf)latex tablefootnote-example.tex` (and needs at least two compiler runs to get the references right!).

7 Acknowledgements

I would like to thank HEIKO OBERDIEK for providing the `hyperref`, `ltxcmds`, as well as a lot (!) of other useful packages (from which I also got everything I know about creating a file in `.dtx` format, ok, say it: copying), and the `news:comp.text.tex` and `news:de.comp.text.tex` newsgroups for their help in all things T_EX.

8 History

[2011/10/26 v1.0a, `tabfootn`]

- Upload to `CTAN:macros/latex/contrib/tablefootnote/`.

[2011/10/29 v1.0b]

- Renamed to `tablefootnote`.
- Added support for the `sidewaystable`-environment of the `rotating` package.
- Diverse changes in documentation and README.

When you find a mistake or have a suggestion for an improvement of this package, please send an e-mail to the maintainer, thanks! (Please see BUG REPORTS in the README.)

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