

The `tabularht` package

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Abstract

This package defines some environments that adds a height specification to `tabular` and `array`.

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*Please report any issues at <https://github.com/ho-tex/tabularht/issues>

1 Usage

`\usepackage{tabularht}`

The package provides the following environments that extend the `tabular/array` environment by a height specification as first argument:

- `tabularht`, `tabularht*`
- `arrayht`
- `tabularhtx` (if package `tabularx` is loaded)

The height argument allows a length specification, package `calc` is supported if used. This means, the `tabular` will have the specified height. You can also use the prefixes `to=` and `spread=`. `to=` is the default, `spread=` means, the natural height of the `tabular` box is changed by the length after `spread=`.

Examples:

```
\begin{tabularht}{1in}           → height is 1in
\begin{tabularht}{to=1in}       → height is 1in
\begin{tabularht}{spread=0pt}   → natural height, same as \begin{tabular}
\begin{tabularht}{spread=1in}  → natural height increased by 1in
```

Hint: See also package `tabularkv`, it provides an interface, where most parameters for the environments can be given by key-value pairs.

`\interrowpace{...}`

Adds space between table rows. It is essentially the same as `\noalign{\vspace{...}}`.

`\interrowfill`

Short for `\interrowpace{\fill}`

`\interrowstart... \interrowstop`

Marker commands, useful for option `vlines`.

1.1 Option `vlines`

Warning: This stuff is experimental.

Vertical lines are interrupted, if space is inserted in `\noalign`, `\interrowpace`, `\addlinespace` (`booktabs`), between double `\hlines`. This option tries to detect and add the vertical lines. The lines in a `tabular` with `tabularht` support (environments of this package) are numbered from left to right. The gap that is controlled by `\interrowpace` or in between `\interrowstart` and `\interrowstop` is then filled with the detected vertical lines.

If only a limited selection of the lines should be drawn, the commands know an optional argument with a list of line numbers, e.g.

```
\begin{tabularht}{50mm}{|1|1|}
  Hello & World\\
  \interrowfill[1,3]
  Foo & Bar
\end{tabularht}
```

There are three lines, but the middle line is not drawn in the gap between the first and second row. Zero can be used to suppress all lines:

```
\interrowpace[0]{10mm}
```

The syntax of the commands with the optional argument with the line number list $\langle list \rangle$. $\langle list \rangle$ is a comma separated list of numbers, $\langle height \rangle$ means the height specification described above with the optional prefixes `to=` or `spread=`.

```
\interrowpace [ $\langle list \rangle$ ] { $\langle height \rangle$ }  
\interrowfill [ $\langle list \rangle$ ]  
\interrowstart [ $\langle list \rangle$ ] ... \interrowstop
```

Option `vlines` is driver dependent and uses ϵ -TeX features.

pdftex: pdfTeX in PDF mode. Here the positions of the lines are written with the help of the `\pdfsavepos` feature into the `.aux` file(s). Therefore you need two LaTeX runs to get the lines.

dvips: Here, PostScript's currentpoint is used to get the line positions. The lines are then drawn at the end of the page. Thus one LaTeX/dvips run is sufficient for this option.

Other drivers:

PostScript drivers: probably possible, an end of page hook would be nice.

VT_EX: with GeX (PostScript interpreter) probably possible.

dvipdfm: no idea. The big problem is, how to get the current position?

1.2 Limitations

- Vertical lines are interrupted by `\noalign{\vfill}`.

1.3 Compatibility

- `array`, `delarray`, `tabularx` are supported.
- There can be problems with packages that redefine `\@array` (or `\@@array`, `\@tabarray`) and `\@arrayrule` (for option `vlines`).
- `colortbl`: it should at least work, but there isn't support for filling the gaps with color, neither the rules nor the backgrounds.

1.4 Examples

1.4.1 Example 1

```
1 (*example1)  
2 \documentclass{article}  
3 \usepackage{tabularht}  
4  
5 \begin{document}  
6 \fbox{%  
7   \begin{tabularht*}{1in}{4in}{@{}l@{\extracolsep{\fill}}r@{}}%  
8     upper left corner & upper right corner\\%  
9     \noalign{\vfill}%  
10    \multicolumn{2}{@{}c@{}}{bounding box}\\%  
11    \noalign{\vfill}%  
12    lower left corner & lower right corner\\%  
13  \end{tabularht*}%  
14 }  
15 \end{document}  
16 \end{example1}
```

1.4.2 Example 2

```

17 (*example2)
18 \documentclass{article}
19 \usepackage{booktabs}
20 \usepackage[dvips,vlines]{tabularht}
21
22 \begin{document}
23
24 \begin{tabularht}{spread=0pt}{|l|l|}
25 \hline
26 First&Line\\%
27 \hline
28 \interrowstart
29 \addlinespace[10mm]%
30 \interrowstop
31 \hline
32 Second&Line\\%
33 \interrowstart
34 \hline
35 \hline
36 \interrowstop
37 Third&Line\\%
38 \hline
39 \interrowspace{10mm}
40 \hline
41 Fourth&Line\\%
42 \hline
43 \end{tabularht}
44
45 \end{document}
46 </example2>

```

2 Implementation

```
47 (*package)
```

Package identification.

```

48 \NeedsTeXFormat{LaTeX2e}
49 \ProvidesPackage{tabularht}%
50 [2026-05-13 v2.8 Tabular with height specified (HO)]

```

2.1 Environments

```

51 \let\@toarrayheight\@empty
52 \let\tabH@array@init\@empty
53
54 \toks@={%
55 \begingroup
56 \long\def\x#1\fi\fi\bgroup#2\@sharp#3#4\@nil{%
57 \endgroup
58 \gdef\@array[##1]##2{%
59 \tabH@array@init
60 #1%
61 \fi\fi
62 \@toarrayheight
63 \bgroup
64 \let\@toarrayheight\@empty
65 #2\@sharp###3#4%
66 }%
67 }%
68 \expandafter\x\@array[#1]{#2}\@nil % hash-ok
69 }
70 \edef\tabH@patch@array{\the\toks@}
71 \def\tabH@patch@array{%
72 \ifx\@array\@array

```

```

73   \def\reserved@a{\let\@array\@array}%
74   \else
75     \let\reserved@a\relax
76   \fi
77   \tabH@patch@array
78   \reserved@a
79 }
80 \tabH@patch@@array
81
82 \@ifpackageloaded{array}{-}{%
83   \AtBeginDocument{%
84     \@ifpackageloaded{array}{-}{%
85       \tabH@patch@@array
86     }-}%
87   }%
88 }
89
90 \def\tabH@setheight#1{%
91   \tabH@@setheight#1==\@nil
92 }
93 \def\tabH@@setheight#1=#2=#3\@nil{%
94   \ifx\#2#3\%
95     \setlength{\dimen@}{#1}%
96     \edef\toarrayheight{\to\the\dimen@}%
97   \else
98     \edef\tabH@temp{\zap@space#1 \@empty}%
99     \ifx\tabH@temp\tabH@to
100    \else
101      \ifx\tabH@temp\tabH@spread
102      \else
103        \PackageError{tabularht}{%
104          Unknown height specifier %
105          '\expandafter\strip@prefix\meaning\tabH@temp'%
106        }{%
107          The height dimension for tabular height can be prefixed%
108          \MessageBreak
109          with 'to=' or 'spread=', default is 'to='.%
110        }%
111        \let\tabH@temp\tabH@to
112      \fi
113    \fi
114    \setlength{\dimen@}{#2}%
115    \edef\toarrayheight{\tabH@temp\the\dimen@}%
116  \fi
117 }
118 \def\tabH@to{to}
119 \def\tabH@spread{spread}

First argument is the height of the table, then the original arguments for tabular
follow.
120 \newenvironment{tabularht}[1]{%
121   \tabH@setheight{#1}%
122   \tabular
123 }{%
124   \endtabular
125 }
126
127 \newenvironment{tabularht*}[1]{%
128   \tabH@setheight{#1}%
129   \@nameuse{tabular*}%
130 }{%
131   \@nameuse{endtabular*}%
132 }

```

```

133
134 \newenvironment{tabularhtx}[1]{%
135   \tabH@setheight{#1}%
136   \tabularx
137 }{%
138   \endtabularx
139 }
140
141 \newenvironment{arrayht}[1]{%
142   \tabH@setheight{#1}%
143   \array
144 }{%
145   \endarray
146 }
147
148 \def\interrowSPACE{%
149   \noalign\bgroup
150     \tabH@interrowSPACE
151 }
152 \newcommand*\tabH@interrowSPACE[2] [] {%
153   \tabH@vSPACE{#1}{#2}%
154   \egroup
155 }
156 \def\interrowfill{%
157   \noalign\bgroup
158     \tabH@interrowfill
159 }
160 \newcommand*\tabH@interrowfill[1] [] {%
161   \tabH@vSPACE{#1}{\fill}%
162   \egroup
163 }
164 \def\tabH@vSPACE#1#2{%
165   \tabH@vSPACE@start{#1}%
166   \vSPACE{#2}%
167   \tabH@vSPACE@stop
168 }
169 \let\tabH@vSPACE@start\@gobble
170 \let\tabH@vSPACE@stop\@empty
171
172 \newcommand*\interrowstart{%
173   \noalign\bgroup
174     \tabH@interrowstart
175 }
176 \newcommand*\tabH@interrowstart[1] [] {%
177   \tabH@vSPACE@start{#1}%
178   \egroup
179 }
180 \newcommand*\interrowstop{%
181   \noalign{\tabH@vSPACE@stop}%
182 }

```

2.2 Options

```

183 \providecommand*\tabH@driver{}
184
185 \DeclareOption{vlines}{%
186   \let\tabH@temp\relax
187 }
188 \DeclareOption{pdftex}{}
189 \DeclareOption{dvips}{%
190   \def\tabH@driver{dvips}%
191 }
192 \ProcessOptions*\relax

```

```

193
194 \ifx\tabH@temp\relax
195 \else
196 \expandafter\endinput
197 \fi
198
199 \begingroup
200 \@ifundefined{eTeXversion}{%
201   \PackageError{tabularht}{%
202     Option 'vlines' requires eTeX%
203   }{%
204     Use of eTeX is recommended for LaTeX, see ltnews16.%
205   }%
206 \endgroup
207 \endinput
208 }{}%
209 \endgroup

```

2.3 Option vlines, driver independent stuff

```

210 \begingroup
211 \let\@addtoreset@gobbletwo
212 \newcounter{tabH@unique}%
213 \endgroup
214 \let\tabH@currenttab\@empty
215
216 \def\tabH@array@init{%
217 \ifx\@toarrayheight\@empty
218 % ignore vertical lines of nested tabular environments
219 \let\tabH@currenttab\@empty
220 \else
221 \stepcounter{tabH@unique}%
222 \edef\tabH@currenttab{\the\c@tabH@unique}%
223 \fi
224 }
225
226 \renewcommand*{\@arrayrule}{%
227 \@addtopreamble{%
228 \hskip -.5\arrayrulewidth
229 \ifx\tabH@currenttab\@empty
230 \else
231 \tabH@vrule{\tabH@currenttab}%
232 \fi
233 \begingroup
234 \expandafter\ifx\csname CT@arc@\endcsname\relax
235 \else
236 \expandafter\CT@arc@
237 \fi
238 \vline
239 \endgroup
240 \hskip -.5\arrayrulewidth
241 }%
242 }
243 \let\tabH@arrayrule\@arrayrule
244 \AtBeginDocument{%
245 \@ifpackageloaded{colortbl}{%
246 \let\@arrayrule\tabH@arrayrule
247 }{}%
248 }
249
250 \let\tabH@vrule\@gobble

```

2.4 Driver pdftex

```

251 \RequirePackage{iftex}[2019/11/07]
252 \ifpdf
253   \begingroup
254     \@ifundefined{pdfsavepos}{%
255       \PackageError{tabularht}{%
256         Your pdfTeX is too old%
257       }{%
258         \string\pdfsavepos\space is missing.%
259       }%
260     \endgroup
261     \csname fi\endcsname
262     \endinput
263   }{%
264
265     \let\on@line\@empty
266     \PackageInfo{tabularht}{%
267       Using driver 'pdftex' because of pdfTeX in PDF mode%
268     }%
269   \endgroup
270
271   \protected\def\tabH@vrule#1{%
272     \if@filesw
273       \pdfsavepos
274       \protected@write\@auxout{%
275         \let\tabH@lastxpos\relax
276       }{%
277         \tabH@aux@vrule{#1}{\tabH@lastxpos}%
278       }%
279     \fi
280   }%
281
282   \def\tabH@lastxpos{\the\pdflastxpos}%
283   \def\tabH@lastypos{\the\pdflastypos}%
284
285   % The .aux file contains three commands:
286   % \tabH@aux@vrule{tabular id}{x position}
287   % \tabH@aux@vstart{tabular id}{row id}{x position}{y position}
288   % \tabH@aux@vstop{y position}
289   %
290   \AtBeginDocument{%
291     % The .aux files are read the first time before
292     % \AtBeginDocument and later at \end{document}.
293     % \tabH@aux@done is a marker to distinguish
294     % between these two readings. Only in the first
295     % case we need the \tabH@aux@... commands.
296     \let\tabH@aux@done\@empty
297     \if@filesw
298       \immediate\write\@mainaux{%
299         \@percentchar\@percentchar BeginProlog: tabularht%
300       }%
301       % items in the aux file are executed,
302       % if tabularht is loaded
303       % and during the aux file read at \begin{document} only
304       \immediate\write\@mainaux{%
305         \detokenize{%
306           % the \tabH@aux@... commands are needed only if
307           % tabularht is loaded with driver pdftex.
308           \@ifundefined{tabH@aux@vrule}\@secondoftwo\@firstofone
309         }%
310         % disable commands except for the first .aux files reading
311         \@ifundefined{tabH@aux@done}\@gobble\@firstofone
312       }%

```



```

313         {%
314         \let\tabH@aux@vrule\@gobbletwo
315         \let\tabH@aux@vstart\@gobblefour
316         \let\tabH@aux@vstop\@gobble
317         }%
318     }%
319 }%
320 \immediate\write\@mainaux{%
321     \@percentchar\@percentchar EndProlog: tabularht%
322 }%
323 \fi
324 }%
325
326 % the x positions of vrules are stored in
327 % \tabH@<tabcount>list with distinct values
328 \protected\def\tabH@aux@vrule#1#2{%
329     \@ifundefined{tabH@#1list}{%
330         \expandafter\xdef\csname tabH@#1list\endcsname{%
331             \noexpand\do{#2}}%
332     }%
333 }{%
334     \begingroup
335     \def\x{#2}%
336     \let\y\@undefined
337     \let\do\tabH@do@add
338     \expandafter\xdef\csname tabH@#1list\endcsname{%
339         \csname tabH@#1list\endcsname\@empty
340         \ifx\y\@undefined
341             \noexpand\do{\x}%
342         \fi
343     }%
344     \endgroup
345 }%
346 }%
347 \def\tabH@do@add#1{%
348     \ifx\y\@undefined
349         \ifnum#1<\x\space
350         \else
351             \expandafter\ifx\csname y\endcsname\relax\fi
352             \ifnum#1>\x\space
353                 \noexpand\do{\x}%
354             \fi
355         \fi
356     \fi
357     \noexpand\do{#1}%
358 }%
359
360 \def\tabH@vspace@start#1{%
361     \if@filesw
362         \stepcounter{tabH@unique}%
363         \edef\tabH@currentrow{\the\c@tabH@unique}%
364         \pdfsavepos
365         \protected@write\@auxout{%
366             \let\tabH@lastxpos\relax
367             \let\tabH@lastypos\relax
368         }{%
369             \tabH@aux@vstart{\tabH@currenttab}{\tabH@currentrow}%
370                 {\tabH@lastxpos}{\tabH@lastypos}%
371         }%
372     \fi
373     \begingroup
374     \edef\@{tabH@\tabH@currenttab row\tabH@currentrow}%

```

```

375     \expandafter\let\expandafter\x\csname\a x\endcsname
376     \ifx\x\relax
377     \else
378     \expandafter\let\expandafter\y\csname\a y\endcsname
379     \expandafter\let\expandafter\l
380     \csname tabH@\tabH@currenttab list\endcsname
381     \ifx\l\relax
382     \else
383     \def\{f{#1}%
384     \ifx\{f\@empty
385     \let\do\tabH@do@set
386     \else
387     \count@=\z@
388     \let\do\tabH@do@filter
389     \fi
390     \setbox\z@=\hbox{\l}%
391     \wd\z@=\z@
392     \dp\z@=\z@
393     \copy\z@
394     \fi
395     \fi
396     \endgroup
397 }%
398 \def\tabH@vspace@stop{%
399     \if@filesw
400     \pdfsavepos
401     \protected@write\@auxout{%
402     \let\tabH@lastypos\relax
403     }{%
404     \tabH@aux@vstop{\tabH@lastypos}%
405     }%
406     \fi
407 }%
408 \def\tabH@do@set#1{%
409     \hbox to \z@{%
410     \hskip \dimexpr #1sp - \x sp\relax
411     \vrule \@width\arrayrulewidth
412     \@depth\dimexpr \y sp\relax
413     \hss
414     }%
415 }%
416 \def\tabH@do@filter{%
417     \@tempwafalse
418     \advance\count@\@ne
419     \@for\{e:=\{f\do{%
420     \ifnum\{e=\count@
421     \@tempwattrue
422     \fi
423     }%
424     \if@tempswa
425     \expandafter\tabH@do@set
426     \else
427     \expandafter\@gobble
428     \fi
429 }%
430
431 \protected\def\tabH@aux@vstart#1#2#3#4{%
432     \def\tabH@current@vstart{{#1}{#2}{#3}{#4}}%
433 }%
434 \protected\def\tabH@aux@vstop{%
435     \expandafter\tabH@aux@v\tabH@current@vstart
436 }%

```

```

437 \def\tabH@aux@v#1#2#3#4#5{%
438   \expandafter\gdef\csname tabH@#1row#2x\endcsname{#3}%
439   \expandafter\xdef\csname tabH@#1row#2y\endcsname{%
440     \the\numexpr #4 - #5\relax
441   }%
442 }%
443
444 \csname fi\endcsname
445 \endinput
446
447 \fi

```

2.5 DVI drivers

```

448 \ifx\tabH@driver\@empty
449   \PackageError{tabularht}{%
450     Missing DVI driver, option 'vlines' disabled%
451   }{%
452     Supported DVI drivers: dvips.%
453   }%
454   \expandafter\endinput
455 \fi
456
457 \def\tabH@driver@dvips{%
458   \def\tabH@literalps##1{\special{ps:SDict begin ##1 end}}%
459   \def\tabH@headerps##1{\special{! ##1}}%
460 }
461
462 \@onelevel@sanitize\tabH@driver
463 \@ifundefined{tabH@driver@\tabH@driver}{%
464   \PackageError{tabularht}{%
465     Unsupported driver '\tabH@driver'%
466   }{%
467     Supported DVI drivers: dvips.%
468   }%
469   \endinput
470 }{}
471
472 \begingroup
473   \let\on@line\@empty
474   \PackageInfo{tabularht}{%
475     Using driver '\tabH@driver'%
476   }%
477 \endgroup
478 \csname tabH@driver@\tabH@driver\endcsname
479
480 \protected\def\tabH@vrule#1#2\vrule#3\arrayrulewidth{%
481   #2% \fi or empty
482   % hack to get rid of maxdrift rounding of dvips,
483   % thus simulate a large motion
484   \kern1in\relax
485   \tabH@literalps{%
486     #1 tabH.vrule %
487     Resolution neg 0 translate%
488   }%
489   \vrule#3\arrayrulewidth
490   \tabH@literalps{Resolution 0 translate}%
491   \kern-1in\relax
492 }
493
494 \def\tabH@vspace@start#1{%
495   \begingroup
496   \let\y\@empty

```

```

497 \@for\x:=#1\do{%
498 \ifx\y\@empty
499 \edef\y{\x}%
500 \else
501 \edef\y{\y\space\x}%
502 \fi
503 }%
504 \tabH@literalps{\tabH@currenttab[\y]currentpoint exch pop}%
505 \endgroup
506 }
507 \def\tabH@vspace@stop{%
508 \tabH@literalps{%
509 currentpoint exch pop %
510 \number\dimexpr\arrayrulewidth\relax\space
511 tabH.vspace%
512 }%
513 }
514
515 \tabH@headerps{%
516 userdict begin%
517 /tabH.list 10 dict def%
518 /tabH.job [] def %
519 end%
520 /tabH.vrule{%
521 10 string cvs cvn dup tabH.list exch known{%
522 tabH.list exch dup [ exch tabH.list exch get %
523 currentpoint pop round exch true exch{%
524 % tabH.list key [ ... x true i
525 % tabH.list key [ ... false i
526 exch{%
527 % ... [ ... x i
528 2 copy lt{false}{%
529 2 copy eq{pop false}{exch true}ifelse%
530 }ifelse%
531 }{false}ifelse%
532 }forall %
533 pop%
534 ]put%
535 }{%
536 tabH.list exch[currentpoint pop round]put%
537 }ifelse%
538 }bind def%
539 % <tab num> <cols array> <ytop> <ybottom> <rulewidth[sp]>
540 /tabH.vspace{%
541 userdict begin %
542 10 dict dup begin %
543 exch 65536 div Resolution mul 72.27 div %
544 % dvips uses a poor man's ceil function
545 % see dopage.c before "drawrule": (int)(... + 0.9999999)
546 0.9999999 add truncate%
547 /rulewidth exch def %
548 exch/ybottom exch def %
549 exch/ytop exch def %
550 exch/cols exch def %
551 exch/tabkey exch 10 string cvs cvn def %
552 end%
553 /tabH.job exch[exch userdict/tabH.job get aload pop]def %
554 end%
555 }bind def %
556 % Now we do the work at the end of the page.
557 % Unhappily "eop-hook" cannot be used, because "eop"
558 % executes "restore" before, so that all data are lost.

```

```

559 TeXDict begin%
560   /eop%
561   [%
562     {%
563       tabH.job{%
564         begin%
565         /colarray %
566         tabH.list tabkey known{tabH.list tabkey get}{{}}ifelse %
567         def %
568         cols length 0 eq not{%
569           /colarray[%
570             cols{1 sub %
571               dup 0 lt{pop}{%
572                 dup colarray length ge{pop}{%
573                   colarray exch get%
574                   }ifelse%
575                 }ifelse%
576               }forall%
577             ]def%
578           }if %
579           colarray{%
580             % (rulewidth) == rulewidth == % debug
581             Resolution sub %
582             ytop rulewidth ytop ybottom sub v%
583           }forall %
584         end%
585       }forall%
586       % tabH.list{== ==}forall % debug
587     }bind aload pop %
588     TeXDict /eop get aload pop%
589   ]cvx def %
590 end%
591 }
592 </package>

```

3 Installation

3.1 Download

Package. This package is available on CTAN¹:

[CTAN:macros/latex/contrib/tabularht/tabularht.dtx](#) The source file.

[CTAN:macros/latex/contrib/tabularht/tabularht.pdf](#) Documentation.

3.2 Package installation

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

```
tex tabularht.dtx
```

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

```

tabularht.sty      → tex/latex/tabularht/tabularht.sty
tabularht.pdf     → doc/latex/tabularht/tabularht.pdf
tabularht-example1.tex → doc/latex/tabularht/tabularht-example1.tex
tabularht-example2.tex → doc/latex/tabularht/tabularht-example2.tex
tabularht.dtx     → source/latex/tabularht/tabularht.dtx

```

¹[CTAN:pkg/tabularht](#)

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`.

3.3 Refresh file name databases

If your $\text{T}_{\text{E}}\text{X}$ distribution ($\text{T}_{\text{E}}\text{X}$ Live, $\text{M}\text{I}\text{K}\text{T}_{\text{E}}\text{X}$, ...) relies on file name databases, you must refresh these. For example, $\text{T}_{\text{E}}\text{X}$ Live users run `texhash` or `mktexlsr`.

3.4 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{tabularht.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 the 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 $\text{p}\text{d}\text{fL}^{\text{A}}\text{T}_{\text{E}}\text{X}$:

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

4 History

[2005/09/22 v1.0]

- First public version.

[2005/10/16 v2.0]

- Height specification allows `to=...` or `spread=...`, default is `to=`.
- Option `vlines` added, drivers `pdftex` and `dvips`.
- `\interrowospace`, `\interrowofil`, and `\interrowstart... \interrowstop` added.

[2005/10/18 v2.1]

- Fix for package `colortbl`, but the colors of `colortbl` remain unsupported.

[2006/02/20 v2.2]

- Code is not changed.
- DTX framework.

[2006/12/22 v2.3]

- Documentation fix.
- Fix in code of option vlines.

[2007/03/21 v2.4]

- Fix: Counter `tabh@unique` must not be changed by `\include`.

[2007/04/11 v2.5]

- Line ends sanitized.

[2016/05/16 v2.6]

- Documentation updates.

[2019/12/29 v2.7]

- Use `\iftex` package.

[2026-05-13 v2.8]

- Updated for `\text@vcenter` use in underlying array code.

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