

The morefloats package*

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Abstract

The current limit of unprocessed floats, 18, can be increased with this `morefloats` package. Otherwise, `\clear(double)page`, `h(!)`, `H` from the `float` package, or `\FloatBarrier` from the `picins` package might help.

Note: The main code of this package was invented by Don Hosek, Quixote, 1990/07/27 (Thanks!). The current maintainer is H.-Martin Münch.

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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

The current limit of unprocessed floats, 18, can be increased with this `morefloats` package. Otherwise, `\clear(double)page`, `h(!)`, `H` from the `float` package, or `\FloatBarrier` from the `picins` package might help.

2 Usage

Load the package placing

```
\usepackage[<options>]{morefloats}
```

in the preamble of your L^AT_EX 2_ε source file.

The `morefloats` package takes two options: `maxfloats` and `morefloats`, where `morefloats` gives the number of additional floats and `maxfloats` gives the maximum number of floats. `maxfloats=25` therefore means, that there are 18 (default) floats and 7 additional floats. `morefloats=7` therefore has the same meaning. It is only necessary to give one of these two options. At the time being, it is not possible to reduce the number of floats (for example to save boxes). If you have code accomplishing that, please send it to the package maintainer, thanks.

Version 1.0b used a fixed value of `maxfloats=36`. Therefore for backward compatibility this value is taken as the default one.

Example:

```
\usepackage[maxfloats=25]{morefloats}
```

or

```
\usepackage[morefloats=7]{morefloats}
```

or

```
\usepackage[maxfloats=25,morefloats=7]{morefloats}
```

.

3 Alternatives (kind of)

If the additional counter needed by `morefloats` since v1.0c (or something else) is an issue, the old `morefloats` without the need for a counter but with a fixed number of `maxfloats=36` (i.e. 18 `morefloats`) can be used:

[CTAN:obsolete/macros/latex/contrib/misc/morefloats.sty](#).

If you really want to increase the number of (possible) floats, this is the right

package. On the other hand, if you ran into trouble of Too many unprocessed floats, but would also accept less floats, there are some other possibilities:

- The command `\clearpage` forces \LaTeX to output any floating objects that occurred before this command (and go to the next page). `\cleardoublepage` does the same but ensures that the next page with output is one with odd page number.
- Using different float specifiers: `t` top, `b` bottom, `p` page of floats.
- Suggesting \LaTeX to put the object where it was placed: `h` (= here) float specifier.
- Telling \LaTeX to please put the object where it was placed: `h!` (= here!) float specifier.
- Forcing \LaTeX to put the object where it was placed and shut up: The float package provides the “style option here, giving floating environments a `[H]` option which means ‘PUT IT HERE’ (as opposed to the standard `[h]` option which means ‘You may put it here if you like’)” (float package documentation v1.3d as of 2001/11/08). Changing e.g. `\begin{figure}[tbp]...` to `\begin{figure}[H]...` forces the figure to be placed HERE instead of floating away.
The float package, 2001/11/08 v1.3d, is available at [CTAN::CTAN:macros/latex/contrib/float/](#)
- The `placeins` package provides the command `\FloatBarrier`. Floats occurring before the `\FloatBarrier` are not allowed to float to a later place, and floats occurring after the `\FloatBarrier` are not allowed to float to a earlier place than the `\FloatBarrier`. (There can be more than one `\FloatBarrier` in a document.)
The same package also provides an option to add to section headings automatically `\FloatBarriers`. It is further possible to make `\FloatBarriers` less strict (see that package’s documentation).
The `placeins` package, 2005/04/18 v2.2, is available at [CTAN::CTAN:macros/latex/contrib/placeins/](#)

See also <http://www.tex.ac.uk/cgi-bin/texfaq2html?label=figurehere>.

(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}
3 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
4 \usepackage[maxfloats=19]{morefloats}[2011/02/01]% v1.0d
5 \gdef\unit#1{\mathord{\thinspace\mathrm{#1}}}%
6 \listfiles
7 \begin{document}
8
9 \section*{Example for morefloats}
10 \markboth{Example for morefloats}{Example for morefloats}
11
12 This example demonstrates the use of package\newline
13 \textsf{morefloats}, v1.0d as of 2011/02/01 (HMM; DH).\newline
14 The package takes options (here: maxfloats=19 is used).\newline
15 For more details please see the documentation!\newline
16
17 To reproduce the\newline
18 \texttt{\LaTeX\ Error: Too many unprocessed floats},\newline
19 comment out the \texttt{\textbackslash usepackage...} in the preamble
20 (line~3) (by placing a \% before it).\newline
21
22 \bigskip
23
24 Save per page about $200\unit{ml}$~water, $2\unit{g}$~CO$_{2}$
25 and $2\unit{g}$~wood:\newline
26 Therefore please print only if this is really necessary.\newline
27 I do NOT think, that it is necessary to print THIS file, really!
28
29 \pagebreak
30
31 Here are a lot of floating tables:\newline
32
33 \begin{table}[t] \centering%
34 \begin{tabular}{|l|}
35 \hline
36 A table, which will keep floating.\ \hline
37 \end{tabular}%
38 \caption{The first Table}%
39 \end{table}%
40
41 \begin{table}[t] \centering%
42 \begin{tabular}{|l|}
43 \hline
44 A table, which will keep floating.\ \hline
45 \end{tabular}%
46 \caption{The second Table}%
47 \end{table}%
48
49 \begin{table}[t] \centering%
50 \begin{tabular}{|l|}
51 \hline
52 A table, which will keep floating.\ \hline
53 \end{tabular}%
54 \caption{The third Table}%
55 \end{table}%
56
57 \begin{table}[t] \centering%
58 \begin{tabular}{|l|}
59 \hline
60 A table, which will keep floating.\ \hline
61 \end{tabular}%
62 \caption{The fourth Table}%
63 \end{table}%
64
65 \begin{table}[t] \centering%
66 \begin{tabular}{|l|}
```

```

67 \hline
68 A table, which will keep floating.\\ \hline
69 \end{tabular}%
70 \caption{The fifth Table}%
71 \end{table}%
72
73 \begin{table}[t] \centering%
74 \begin{tabular}{|l|}
75 \hline
76 A table, which will keep floating.\\ \hline
77 \end{tabular}%
78 \caption{The sixth Table}%
79 \end{table}%
80
81 \begin{table}[t] \centering%
82 \begin{tabular}{|l|}
83 \hline
84 A table, which will keep floating.\\ \hline
85 \end{tabular}%
86 \caption{The seventh Table}%
87 \end{table}%
88
89 \begin{table}[t] \centering%
90 \begin{tabular}{|l|}
91 \hline
92 A table, which will keep floating.\\ \hline
93 \end{tabular}%
94 \caption{The eighth Table}%
95 \end{table}%
96
97 \begin{table}[t] \centering%
98 \begin{tabular}{|l|}
99 \hline
100 A table, which will keep floating.\\ \hline
101 \end{tabular}%
102 \caption{The ninth Table}%
103 \end{table}%
104
105 \begin{table}[t] \centering%
106 \begin{tabular}{|l|}
107 \hline
108 A table, which will keep floating.\\ \hline
109 \end{tabular}%
110 \caption{The tenth Table}%
111 \end{table}%
112
113 \begin{table}[t] \centering%
114 \begin{tabular}{|l|}
115 \hline
116 A table, which will keep floating.\\ \hline
117 \end{tabular}%
118 \caption{The eleventh Table}%
119 \end{table}%
120
121 \begin{table}[t] \centering%
122 \begin{tabular}{|l|}
123 \hline
124 A table, which will keep floating.\\ \hline
125 \end{tabular}%
126 \caption{The twelfth Table}%
127 \end{table}%
128
129 \begin{table}[t] \centering%
130 \begin{tabular}{|l|}
131 \hline
132 A table, which will keep floating.\\ \hline
133 \end{tabular}%
134 \caption{The thirteenth Table}%

```

```

135 \end{table}%
136
137 \begin{table}[t] \centering%
138 \begin{tabular}{|l|}
139 \hline
140 A table, which will keep floating.\\ \hline
141 \end{tabular}%
142 \caption{The forteenth Table}%
143 \end{table}%
144
145 \begin{table}[t] \centering%
146 \begin{tabular}{|l|}
147 \hline
148 A table, which will keep floating.\\ \hline
149 \end{tabular}%
150 \caption{The fifteenth Table}%
151 \end{table}%
152
153 \begin{table}[t] \centering%
154 \begin{tabular}{|l|}
155 \hline
156 A table, which will keep floating.\\ \hline
157 \end{tabular}%
158 \caption{The sixteenth Table}%
159 \end{table}%
160
161 \begin{table}[t] \centering%
162 \begin{tabular}{|l|}
163 \hline
164 A table, which will keep floating.\\ \hline
165 \end{tabular}%
166 \caption{The seventeenth Table}%
167 \end{table}%
168
169 \begin{table}[t] \centering%
170 \begin{tabular}{|l|}
171 \hline
172 A table, which will keep floating.\\ \hline
173 \end{tabular}%
174 \caption{The eighteenth Table}%
175 \end{table}%
176
177 \begin{table}[t] \centering%
178 \begin{tabular}{|l|}
179 \hline
180 One floating table too much
181 (without \textsf{morefloats} and appropriate option(s)).\\ \hline
182 \end{tabular}%
183 \caption{The nineteenth Table}%
184 \end{table}%
185
186 \end{document}
187 \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.

```
188 (*package)
189 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
190 \ProvidesPackage{morefloats}[2011/02/01 v1.0d
191         Increase limit of unprocessed floats (HMM; DH)]
192
```

Options

```
193 \RequirePackage{kvoptions}[2010/02/22]% v3.7
194
195 %% morefloats may work with an earlier version of that package,
196 %% but this was not tested. Please consider updating your package
197 %% to the most recent version (if it is not already the most
198 %% recent version).
199
200 \SetupKeyvalOptions{family = morefloats,prefix = morefloats@}
201 \DeclareStringOption{maxfloats}% \morefloats@maxfloats
202 \DeclareStringOption{morefloats}% \morefloats@morefloats
203
204 \ProcessKeyvalOptions*
205
```

The `morefloats` package takes two options: `maxfloats` and `morefloats`, where `morefloats` gives the number of additional floats and `maxfloats` gives the maximum number of floats. `maxfloats=37` therefore means, that there are 18 (default) floats and another 19 additional floats. `morefloats=19` therefore has the same meaning. Version 1.0b used a fixed value of `maxfloats=36`. Therefore for backward compatibility this value will be taken as the default one.

Now we check whether `maxfloats=...` or `morefloats=...` or both were used, and if one option was not used, we supply the value. If no option was used at all, we use the default values.

```
206 \newcounter{maxfloats}
207
208 \ifx\morefloats@maxfloats\@empty
209   \ifx\morefloats@morefloats\@empty
210     % apply defaults:
211     \gdef\morefloats@maxfloats{36}
212     \gdef\morefloats@morefloats{18}
213   \else
214     \setcounter{maxfloats}{18}
215     \addtocounter{maxfloats}{\morefloats@morefloats}
216     \global\edef\morefloats@maxfloats{\arabic{maxfloats}}
217   \fi
218 \else
219   \ifx\morefloats@morefloats\@empty
220     \setcounter{maxfloats}{\morefloats@maxfloats}
221     \addtocounter{maxfloats}{-18}
222     \global\edef\morefloats@morefloats{\arabic{maxfloats}}
223   \fi
224 \fi
225
226 \setcounter{maxfloats}{\morefloats@maxfloats}
```

If option `maxfloats` is no number, the user will see the according error message here (if not already shown before).

```
227 \edef\morefloats@max{\arabic{maxfloats}}
228
229 \ifnum \value{maxfloats}<18
230   \PackageError{morefloats}{Option maxfloats is \arabic{maxfloats}<18}{%
231     maxfloats must be a number equal to or larger than 18\MessageBreak%
232     (or not used at all).\MessageBreak%
233     Now setting maxfloats=18.\MessageBreak%
234   }
```

```

235 \gdef\morefloats@max{18}
236 \fi
237
238 \setcounter{maxfloats}{\morefloats@morefloats}

```

If option `morefloats` is no number, the user will see the according error message here.

```

239
240 \edef\morefloats@more{\arabic{maxfloats}}
241
242 \ifnum \value{maxfloats}<0
243 \PackageError{morefloats}{Option morefloats is \arabic{maxfloats}<0}{%
244 morefloats must be a number equal to or larger than 0\MessageBreak%
245 (or not used at all).\MessageBreak%
246 Now setting morefloats=0.\MessageBreak%
247 }
248 \gdef\morefloats@more{0}
249 \fi
250
251 \setcounter{maxfloats}{18}
252 \addtocounter{maxfloats}{\morefloats@more}

```

The value of `morefloats` should now be equal to the value of `morefloats@max`.

```

253 \addtocounter{maxfloats}{-\morefloats@max}

```

Therefore `morefloats` should now be equal to zero.

```

254 \ifnum \value{maxfloats}=0% OK
255 \setcounter{maxfloats}{\morefloats@maxfloats}
256 \else
257 \PackageError{morefloats}{Clash between options maxfloats and morefloats}{%
258 Option maxfloats must be empty\MessageBreak%
259 or the sum of 18 and option value morefloats,\MessageBreak%
260 but it is maxfloats=\morefloats@maxfloats \space and %
261 morefloats=\morefloats@morefloats .\MessageBreak%
262 }

```

We choose the larger value to be used.

```

263 \ifnum \value{maxfloats}<0% \morefloats@max > \morefloats@more
264 \setcounter{maxfloats}{\morefloats@maxfloats}
265 \else% \value{maxfloats}>0, \morefloats@max < \morefloats@more
266 \setcounter{maxfloats}{18}
267 \addtocounter{maxfloats}{\morefloats@morefloats}
268 \fi
269 \fi
270
271 \PackageWarning{maxfloats}{\MessageBreak%
272 Maximum number of possible floats asked for: \arabic{maxfloats}.\MessageBreak%
273 LaTeX might run out of dimensions or memory\MessageBreak%
274 before this (in which case it will notify you).\MessageBreak%
275 }
276

```

The task at hand is to increase L^AT_EX's current limit of 18 unprocessed floats in memory at once to `\arabic{maxfloats}`. An examination of `latex.tex` reveals that this is accomplished by allocating (!) an insert register for each unprocessed float. A quick check of (the obsolete, now `lplain`, update to L^AT_EX2e!) `lplain.lis` reveals that there is room, in fact, for up to 266 unprocessed floats, but T_EX's main memory could be exhausted well before that happened.

L^AT_EX2e uses a `\dimen` for each `\newinsert`, and the number of `\dimens` is also restricted. Therefore only use the number of floats you need!

Allocating insert registers

First we allocate the additional insert registers needed.

`@freelist`

That accomplished, the next step is to define the macro `\@freelist`, which is merely a list of the box registers each preceded by `\@elt`. This approach allows processing of the list to be done far more efficiently. A similar approach is used by Mittelbach & Schöpf's `doc.sty` to keep track of control sequences, which should not be indexed.

`@elt`

First for the 18 default L^AT_EX boxes.

`newinsert`

`\ifnum \value{maxfloats} <= 18, LATEX already allocated the insert registers.`

`\fi`

```

277 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E\@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt%
278 \bx@I\@elt\bx@J\@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N\@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R}
279

```

Now we need to add \@elt\bx@... depending on the number of morefloats wanted:
(Karl Berry helped with two out of three \expandafters, thanks!)

```

280 \ifnum \value{maxfloats}> 18 \newinsert\bx@S \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@S}
281 \ifnum \value{maxfloats}> 19 \newinsert\bx@T \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@T}
282 \ifnum \value{maxfloats}> 20 \newinsert\bx@U \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@U}
283 \ifnum \value{maxfloats}> 21 \newinsert\bx@V \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@V}
284 \ifnum \value{maxfloats}> 22 \newinsert\bx@W \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@W}
285 \ifnum \value{maxfloats}> 23 \newinsert\bx@X \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@X}
286 \ifnum \value{maxfloats}> 24 \newinsert\bx@Y \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@Y}
287 \ifnum \value{maxfloats}> 25 \newinsert\bx@Z \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@Z}
288 \ifnum \value{maxfloats}> 26 \newinsert\bx@AA \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AA}
289 \ifnum \value{maxfloats}> 27 \newinsert\bx@AB \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AB}
290 \ifnum \value{maxfloats}> 28 \newinsert\bx@AC \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AC}
291 \ifnum \value{maxfloats}> 29 \newinsert\bx@AD \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AD}
292 \ifnum \value{maxfloats}> 30 \newinsert\bx@AE \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AE}
293 \ifnum \value{maxfloats}> 31 \newinsert\bx@AF \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AF}
294 \ifnum \value{maxfloats}> 32 \newinsert\bx@AG \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AG}
295 \ifnum \value{maxfloats}> 33 \newinsert\bx@AH \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AH}
296 \ifnum \value{maxfloats}> 34 \newinsert\bx@AI \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AI}
297 \ifnum \value{maxfloats}> 35 \newinsert\bx@AJ \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AJ}
298 \ifnum \value{maxfloats}> 36 \newinsert\bx@AK \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AK}
299 \ifnum \value{maxfloats}> 37 \newinsert\bx@AL \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AL}
300 \ifnum \value{maxfloats}> 38 \newinsert\bx@AM \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AM}
301 \ifnum \value{maxfloats}> 39 \newinsert\bx@AN \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AN}
302 \ifnum \value{maxfloats}> 40 \newinsert\bx@AO \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AO}
303 \ifnum \value{maxfloats}> 41 \newinsert\bx@AP \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AP}
304 \ifnum \value{maxfloats}> 42 \newinsert\bx@AQ \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AQ}
305 \ifnum \value{maxfloats}> 43 \newinsert\bx@AR \expandafter\gdef\expandafter\@freelist\expandafter{\@freelist \@elt\bx@AR}

```



```

528 \ifnum \value{maxfloats}>266
529 \PackageError{morefloats}{Too much floats called for}{%
530   You requested more than 266 floats.\MessageBreak%
531   (\arabic{maxfloats} to be precise.)\MessageBreak%
532   According to my knowledge, LaTeX cannot process\MessageBreak%
533   more than 266 floats, therefore the morefloats\MessageBreak%
534   package only provides 266 floats.\MessageBreak%
535   If you really need more floats,\MessageBreak%
536   maybe ask a wizard to increase this number.\MessageBreak%
537   (I expected LaTeX to run out of dimensions or memory\MessageBreak%
538   \space long before reaching this anyway.)\MessageBreak%
539   }
540 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
541 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
542 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
543 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
544 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
545 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
546 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
547 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
548 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
549 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
550 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
551 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
552 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
553 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
554

```

And that was already everything which was necessary.

```
555 \end{package}
```

6 Installation

6.1 Downloads

Everything should be available on **CTAN**: <ftp://ftp.ctan.org/tex-archive/>, but may need additional packages themselves.

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

- T_EXFormat L^AT_EX 2_ε, 1994/06/01, v2_ε: **CTAN**:
- document class `ltxdoc`, 2007/11/11, v2.0u,
[CTAN:macros/latex/base/ltxdoc.dtx](#)
- package `lscope`, 2000/10/22, v3.01, from the graphics bundle:
[CTAN:macros/latex/required/graphics/](#)
- package `holtxdoc`, 2010/04/18, v0.18,
[CTAN:macros/latex/contrib/oberdiek/holtxdoc.dtx](#)
- package `hypdoc`, 2010/03/26, v1.9,
[CTAN:macros/latex/contrib/oberdiek/hypdoc.dtx](#)

`morefloats.sty` The `morefloats.sty` for L^AT_EX 2_ε (i.e. all documents using the `morefloats` package) requires:

- T_EXFormat L^AT_EX 2_ε, 1994/06/01, v2_ε, **CTAN**:
- package `kvoptions`, 2010/02/22, v3.7,
[CTAN:macros/latex/contrib/oberdiek/kvoptions.dtx](#)

`Oberdiek` All packages of Heiko Oberdiek's bundle 'oberdiek' (especially `holtxdoc`, `hypdoc`,
`holtxdoc` and `kvoptions`) are also available in a TDS compliant ZIP archive:
`hypdoc` [CTAN:install/macros/latex/contrib/oberdiek.tds.zip](#).

Warning: `holtxdoc`, 2010/04/24 v0.19, requires the packages

- `hypdoc`, 2010/03/26, v1.9
- `hyperref`, 2010/03/30, v6.80u (latest: 2010/12/16, v6.81z)
- `pdftexcmds`, 2010/04/01, v0.9
- `ltxcmds`, 2010/03/09, v1.4 (latest: 2010/04/26, v1.7)
- `hologo`, 2010/04/24, v1.2
- `array` (latest: 2008/09/09, v2.4c)

(or more recent versions) and does neither work with nor check for earlier versions!
(It is probably best to download

[CTAN:install/macros/latex/contrib/oberdiek.tds.zip](#)

and use this, because the packages in there should be both recent and compatible.)

`Münch` A list of my 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**:

[CTAN:macros/latex/contrib/morefloats/morefloats.dtx](#)

The source file.

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

The documentation.

[CTAN:install/macros/latex/contrib/morefloats.tds.zip](#)

Everything in TDS compliant, compiled format.

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 morefloats.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):

```
morefloats.sty → tex/latex/morefloats.sty
morefloats.pdf → doc/latex/morefloats.pdf
morefloats.dtx → source/latex/morefloats.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 \TeX distribution (`te \TeX` , `mik \TeX` , ...) relies on file name databases, you must refresh these. For example, `te \TeX` users run `texhash` or `mktextlsr`.

6.4 Some details for the interested

Unpacking with \LaTeX . The `.dtx` chooses its action depending on the format:

plain \TeX : 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:

```
latex \let\install=y\input{morefloats.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 the following 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 \LaTeX` :

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

7 Acknowledgements

The main code of this package was invented by Don Hosek, Quixote, 1990/07/27.

I (H.-Martin Münch) would like to thank Don Hosek for his work. Further I would like to thank Karl Berry for helping with taking over the maintainership of this package and two missing `\expandafters`, Heiko Oberdiek (`heiko dot oberdiek at gmail dot com`) for providing a lot (!) of useful packages (from which I also got everything I know about creating a file in `dtx` format, ok, say it: copying), everybody of the **CTAN**: team for managing **CTAN**:, and the `news:comp.text.tex` and `news:de.comp.text.tex` newsgroups for their help in all things \TeX .

8 History

[1990/07/27 v1.0a]

- Created by DON HOSEK.

[2008/11/14 v1.0b]

- CLEA F. REES added a license line.

[2010/09/20 v1.0c]

- .dtx created by H.-MARTIN MÜNCH.
- Included more documentation and alternatives.
- Included options to allow the user to flexible choose the number of floats from 18 up to 266 instead of fixed 36.
- Included an example file.
- Created a README file.

[2011/02/01 v1.0d]

- References to <http://www.tex.ac.uk/cgi-bin/texfaq2html?label=figurehere> and CTAN:obsolete/macros/latex/contrib/misc/morefloats.sty added.
- Now using the `lscap` package from the `graphics` bundle to print some pages of the documentation in landscape instead of portrait mode, because they were way too wide.
- Replaced the list of my packages with a link to web page list of those, which has the advantage of showing the recent versions of all those packages.
- Updated to version 2010/12/16 v6.81z of the `hyperref` package.
- Minor details.

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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