The ltcaption package[*]

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Abstract

This package fixes caption problems with other-than-centered aligned longtables.
(solves LaTeX PR tools/3387)

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[*]This package has version number v1.4-94.

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1 The user interface

The content of \caption in longtables is usually centered to the content of the longtable itself. This is sufficient for centered longtables, but for left or right aligned longtables this results in captions moved into the left or right page margin.

To solve this problem just include this package *after* the longtable package[1], e.g.:

```
\usepackage{longtable,ltcaption}
```

Afterwards the captions of all longtables should be aligned as expected, even for not-centered longtables.

1.1 Further justification

\LTcapskip   This length is controlling the skip between the caption and the contents below the caption (which is usually the longtable contents if you place the caption above the longtable), and it can be altered with \setlength\LTcapskip{...}. When the ltcaption package is loaded it will be set to \abovecaptionskip which usually represents the skip between caption and contents in floating environments. (Without this package, the longtable package uses \baselineskip here.)

\LTcapleft   You can alter the centering of the caption box (of width \LTcapwidth) by setting the
\LTcapright   lengths \LTcapleft & \LTcapright to appropriate values. These are set to \fill by default, just like the values \LTleft & \LTright.

\LTcapmarginsfalse   Another option is the usage of the command \LTcapmarginsfalse which makes the ltcaption package using the values \LTleft & \LTright instead of \LTcapleft & \LTcapright.

Note: If the ltcaption package will be used with one of the NTG document classes[2], \CaptionLabelFont & \CaptionTextFont will not only be used for figure & table captions, but for longtable captions as well.

Note: These lengths & commands do not work when the ltcaption package is used with one of the KOMA‑Script document classes scrartcl, screprt, or scrbook [3], or used with the memoir document class [4]. The KOMA‑Script resp. memoir settings for captions are used instead. Same with the caption package which also uses its own options and settings.

1.2 Bonus features

\LTcaptype   As a bonus feature this package patches the longtable package so \LTcaptype will be used internally instead of the fixed caption type 'table'. So for example this code snipped:

```
\renewcommand\LTcaptype{figure}
\begin{longtable}{ll}
\caption{An example longtable}\\
  A & B \\
\end{longtable}
```

will result in a longtable like this:

Figure 7: An example longtable

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longtable* Another bonus feature is the addition of the environment `longtable*` which does not increment the `table` counter. (As a consequence, `\caption` is not available for such longtables, but `\caption*` still is.)

2   Spot the difference

Without the ltcaption package:

Table 1: Left aligned longtable left aligned longtable left aligned longtable

This is only a test

Table 2: Right aligned longtable right aligned longtable right aligned longtable

This is only a test

Table 3: Centered longtable centered longtable centered longtable centered longtable

This is only a test

With the ltcaption package (and the default value of `\LTcapwidth`):

Table 4: Left aligned longtable left aligned longtable left aligned longtable

This is only a test

Table 5: Right aligned longtable right aligned longtable right aligned longtable

This is only a test

Table 6: Centered longtable centered longtable centered longtable centered longtable

This is only a test

With the ltcaption package and `\LTcapwidth=\linewidth`:

Table 7: Left aligned longtable left aligned longtable left aligned longtable left aligned longtable

This is only a test

Table 8: Right aligned longtable right aligned longtable right aligned longtable right aligned longtable

This is only a test

Table 9: Centered longtable centered longtable centered longtable centered longtable

This is only a test

With the ltcaption package and `\LTcapleft=0pt` resp. `\LTcapright=0pt`:

Table 10: Left aligned longtable left aligned longtable left aligned longtable

This is only a test

Table 11: Right aligned longtable right aligned longtable right aligned longtable

This is only a test

With the ltcaption package and `\LTcapleft=\tabcolsep` resp. `\LTcapright=\tabcolsep`:

Table 12: Left aligned longtable left aligned longtable left aligned longtable

This is only a test

Table 13: Right aligned longtable right aligned longtable right aligned longtable

This is only a test

With the ltcaption package and `\LTcapmarginsfalse`:

Table 14: Left aligned longtable left aligned longtable left aligned longtable

This is only a test

Table 15: Right aligned longtable right aligned longtable right aligned longtable

This is only a test

Table 16: Centered longtable centered longtable centered longtable centered longtable

This is only a test

References

[1] David Carlisle: *The longtable package*, 2004/02/01

[2] Victor Eijkhout: *An introduction to the Dutch LATEX document classes*, 3 September 1989

[3] Markus Kohm & Jens-Uwe-Morawski: *KOMA-Script – a versatile LATEX 2ε bundle*, 2012-07-22

[4] Peter Wilson, maintained by Lars Madsen: *The Memoir Class for Configurable Typesetting*, 2013-05-30

[5] Olga Lapko: *The floatrow package documentation*, 2007/08/24