

KOMA-Script File `scrhack.dtx` *

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package

Some packages from other authors may have problems with KOMA-Script. In my opinion some packages could be improved. With some packages this makes only sense, if KOMA-Script was used. With some other packages the package author has another opinion. Sometimes proposals was never answered. Package `scrhack` contains all those improvement proposals for other packages. This means, `scrhack` redefines macros of packages from other authors! The redefinitions are only activated, if those packages were loaded. Users may prevent `scrhack` from redefining macros of individual packages.

Contents

1	The float hack	2
2	The floatrow hack	2
3	The hyperref hack	3
4	The listings hack	4
5	The lscape hack	4
6	The nomenc1 hack	5
7	The setspace hack	5
8	Implementation of <code>scrhack</code>	6
8.1	Optionen	6

*This file is version (hacking of `scrhack.dtx`.

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8.2	Verwendete Anweisungen	6
8.3	Der hyperref-Hack	7
8.4	Der float-Hack	11
8.5	Der floatrow-Hack	13
8.6	Der listings-Hack	16
8.7	Der nomencl-Hack	18
8.8	Der setspace-Hack	20
8.9	Der lscape-Hack	22
8.10	Optionen ausführen	24

1 The float hack

Package `float` uses macros `\float@listhead` to set the headings of a float listing and `\float@addtolists` to add informations to all float listings. These macros were proposed by the KOMA-Script author for some years. In theory those macros may be used by several class and package authors to delegate some parts of the creation of a float listing to the class. This would increase the compatibility of packages and classes. But unfortunately some package authors, even the author of package `float`, implemented the commands in such a way, that these packages will become incompatible to each other.

Because of this KOMA-Script stopped support for `\float@addtolists` and `\float@listhead` with version 3. Instead of this KOMA-Script supports several improvements for package authors using KOMA-Script package `tocbasic`.

Package `scrhack` redefines some macros of package `float` to not longer use `\float@addtolists` and `\float@listhead` but use the interface of package `tocbasic`. This does not only improve the compatibility of KOMA-Script and package `float`, but also improves the compatibility of packages `babel` and `float`.

You may switch off the float hack loading package `scrhack` with option `float=false`. You may also switch off the float hack using `\KOMAoptions{float=false}` or `\KOMAoption{float}{false}` somewhere after loading package `scrhack`, but before loading package `float`.

2 The floatrow hack

Package `floatrow` uses macros `\float@listhead` to set the headings of a float listing and `\float@addtolists` to add informations to all float list-

ings. These macros were proposed by the KOMA-Script author for some years. In theory those macros may be used by several class and package authors to delegate some parts of the creation of a float listing to the class. This would increase the compatibility of packages and classes. But unfortunately some package authors, even the author of package `floatrow`, implemented the commands in such a way, that these packages will become incompatible to each other.

Because of this KOMA-Script stopped support for `\float@addtolists` and `\float@listhead` with version 3. Instead of this KOMA-Script supports several improvements for package authors using KOMA-Script package `tocbasic`.

Package `scrhack` redefines some macros of package `floatrow` to not longer use `\float@addtolists` and `\float@listhead` but use the interface of package `tocbasic`. This does not only improve the compatibility of KOMA-Script and package `floatrow`, but also improves the compatibility of packages `babel` and `floatrow`.

You may switch off the `floatrow` hack loading package `scrhack` with option `floatrow=false`. You may also switch off the `floatrow` hack using `\KOMAoptions{floatrow=false}` or `\KOMAoption{floatrow}{false}` somewhere after loading package `scrhack`, but before loading package `floatrow`.

3 The hyperref hack

Before version 6.79h package `hyperref` does behave different at part, chapter, and section headings that get no number. If they get no number, because of to low counter

`secnumdepth` `hyperref` sets an anchor for links and bookmarks before the heading. Same would be, if the headings have a number. But if the headings get no number because of usage of the star version of the commands, e.g., `\part*`, `\chapter*` or `\section*`, the anchor for links and bookmarks are set after the headings. The anchors for numbered headings are always set before the headings.

Package `scrhack` redefines some macros of some `hyperref` driver files, e.g., `hpdfTeX.def`, after loading the `hyperref` driver file. With this redefinitions the anchor of not numbered headings will be set always before the headings, too.