

The *changes*-package

Manual change markup — version 0.5.4

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1 Introduction

This package provides manual change markup.

Any comments, thoughts or improvements are welcome. The package is maintained with sourceforge, please see

<http://changes.sourceforge.net/>

for source code access, bug and feature tracker, forum etc. If you want to contact me directly, please send an email to ekleinod@edgesoft.de, please start your mail subject with [changes].

README: The changes-package allows users to manually markup changes of text such as additions, deletions, or replacements. Changed text is shown in a different colour; deleted text is striked out. The package allows free defining of additional authors and their associated colour. It also allows you to define a markup for authors or annotations.

2 User interface of the *changes*-package

For activating manual change management, address the *changes*-package as follows:

```
\usepackage{changes}
```

Options for the package are described in [Abschnitt 2.2](#).

2.1 Used packages

The *changes*-package uses already existing packages. The following packages have to be installed for the *changes*-package; otherwise errors may occur.

You will find detailed description of the packages in their distributions.

ifthen provides an enhanced `\if`-command as well as a `while`-loop

pdfcolmk solves the problem of coloured text and page breaks (with `pdflatex`)

ulem striking out texts

xcolor provides colourised markup of texts

xkeyval provides options with key-value-pairs

2.2 Options

draft

The *draft*-option enables markup of changes. The list of changes is available via `\listofchanges`. This option is the default option, if no other option is selected.

The *changes* package reuses the declaration of `draft` in `\documentclass`. The local declaration of `final` overrules the declaration of `draft` in `\documentclass`.

```
\usepackage[draft]{changes}
```

final

The *final*-option disables markup of changes, only the correct text will be shown. The list of changes is disabled, too.

The *changes* package reuses the declaration of `final` in `\documentclass`. The local declaration of `draft` overrules the declaration of `final` in `\documentclass`.

```
\usepackage[final]{changes}
```

ulem

All options for the *ulem* package can be specified as parameters of the *ulem*-option. Two or more options have to be embraced in curly brackets.

```
\usepackage[ulem=normalem]{changes}  
\usepackage[ulem={normalem,normalbf}]{changes}
```

xcolor

All options for the *xcolor* package can be specified as parameters of the *xcolor*-option. Two or more option have to be embraced in curly brackets.

```
\usepackage[xcolor=dvipdf]{changes}  
\usepackage[xcolor={dvipdf,gray}]{changes}
```

2.3 New commands

This section describes all new commands of the *changes*-package.

2.3.1 Change management

`\added`

The command `\added` marks new text. The new text is the mandatory argument for the command, thus it is written in curly braces. There are two optional arguments: `author-id` and `remark`. The `author-id` has to be defined using `\definechangesauthor`. Use an empty author for an anonymous remark.

Definition `\added[<author-id>][<remark>]{<new text>}`

Beispiel This is `\added[EK]{new}` text.
 This is `newEK` text.
 This is `\added[][anonymous]{new}` text.
 This is `new1` text.

`\deleted`

The command `\deleted` marks deleted text. For arguments see `\added`.

Definition `\deleted[<author-id>][<remark>]{<deleted text>}`

Beispiel This is `\deleted[][unnecessary]{bad}` text.
 This is `bad2` text.

`\replaced`

The command `\replaced` marks replaced text. Mandatory arguments are new and old text. For optional arguments see `\added`.

Definition `\replaced[<author-id>][<remark>]{<new text>}{<old text>}`

Beispiel This is `\replaced[EK]{nice}{ugly}` text.
 This is `niceuglyEK` text.

`\listofchanges`

The command `\listofchanges` outputs a list of changes. The first \LaTeX -run creates an auxiliary file, the second run uses the data of this file. Therefore you need two \LaTeX -runs for an actual list of changes.

Definition `\listofchanges`

2.3.2 User specific adaptations

`\definechangesauthor`

The command `\definechangesauthor` defines a new author for changes. You have to define a unique author-id and a corresponding colour. Special characters or spaces are not allowed in the author-id. The name of the author can optionally be defined, it is used in the list of changes.

Definition `\definechangesauthor[<author-name>]{<author-id>}{<colour>}`

Beispiel `\definechangesauthor{EK}{orange}`
`\definechangesauthor[Ekkart Kleinod]{EK}{orange}`

`\setlocextension`

The command `\setlocextension` sets the extension of the auxiliary file for the list of changes. The default extension is "loc". In the example, the auxiliary file for "foo.tex" would be named "foo.changes".

Definition `\setlocextension{<extension>}`

Beispiel `\setlocextension{changes}`

`\setauthormarkup`

The command `\setauthormarkup` sets the layout of the authormarkup in the text. The default markup is a superscripted author-id on the right side of the changed text.

Values for position (optional): `left` = left of the changes; all other values: right
Values for definition: any \TeX -commands, author-id can be shown using "#1".

Definition `\setauthormarkup[<position>]{<definition>}`

Beispiel `\setauthormarkup{(#1)}`
`\setauthormarkup[left]{(#1)~---}`
`\setauthormarkup{\marginpar{#1}}`
`\setauthormarkup[right]{}`

`\setremarkmarkup`

The command `\setremarkmarkup` sets the layout of the remarkmarkup in the text. The default markup sets the remark in a footnote.

Values for definition: any \TeX -commands, author-id can be used with "#1", remark can be shown using "#2". Using the author-id you can use the author's colour with `Changes@Color#1`.

Definition `\setremarkmarkup{<definition>}`

Beispiel `\setremarkmarkup{(#2:#1)}`
`\setremarkmarkup{\footnote{#1:\textcolor{Changes@Color#1}{#2}}}`

3 Authors

The *changes* packages was written by several authors. The authors are (in alphabetical order):

- Chiaradonna, Silvano
- Kleinod, Ekkart
- Wolter, Steve

4 Versions

Version 0.5.4

Date: 2011/04/25

- extraction of user documentation in separate file
- default language changed to English
- new script for removal of *changes* commands by Silvano Chiaradonna

Version 0.5.3

Date: 2010/11/22

- document options of `\documentclass` are used as well (suggestion and code of Steve Wolter)

Version 0.5.2

Date: 2007/10/10

- package options for *pdfcolmk*, *ulem*, and *xcolor* are passed to the packages

Version 0.5.1

Date: 2007/08/27

- deleted text is striked out again using package *ulem*, greying didn't work

Version 0.5

Date: 2007/08/26

- no usage of package *arrayjob* anymore, thus no errors using package *array*
- switch to UTF-8-encoding
- no usage of package *soul* anymore, thus no errors using UTF-8-encoding
- markup for deleted text changed to gray background, because there's no possibility to conveniently strikeout UTF-8-text
- new optional argument for author name
- coloured list of changes
- changed loc file format
- improved English documentation

Version 0.4

Date: 2007/01/24

- included *pdfcolmk* to solve problem with coloured text and page breaks
- extended `\setremarkmarkup` with author-id for using colour in remarks
- remarks are by default coloured now
- first version uploaded to CTAN

Version 0.3

Date: 2007/01/22

- english user-documentation
- replaced `\changed` with `\replaced`
- improved `final`-option: no additional space

Version 0.2

Date: 2007/01/17

- defined loc-names when missing *babel*-package
- `\setauthormarkup`, `\setlocextension`, `\setremarkmarkup new`
- generated examples
- inserted LPPL

Bugfixes

- fixed wrong *ifthen*-placement
- fixed error in loc, always showing "added"
- fixed authormarkup (`\if`-condition not bugfree)

Version 0.1

Date: 2007/01/16

- initial version
- commands `\added`, `\deleted`, and `\changed`

5 Distribution, Copyright, License

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<http://www.latex-project.org/lppl.txt>

and version 1.3 or later is part of all distributions of L^AT_EX version 2005/12/01 or later.

This work has the LPPL maintenance status "maintained". The current maintainer of this work is Ekkart Kleinod.

This work consists of the files

```
doc/latex/changes/examples/changes.example.1.de.tex
doc/latex/changes/examples/changes.example.2.de.tex
doc/latex/changes/examples/changes.example.3.de.tex
doc/latex/changes/examples/changes.example.1.de.pdf
doc/latex/changes/examples/changes.example.2.de.pdf
doc/latex/changes/examples/changes.example.3.de.pdf
source/latex/changes/changes.drv
source/latex/changes/changes.dtx
source/latex/changes/changes.ins
source/latex/changes/README
scripts/changes/delcmdchanges.bash
```

and the derived files

```
doc/latex/changes/changes.english.full.pdf
doc/latex/changes/changes.english.short.pdf
doc/latex/changes/changes.ngerman.full.pdf
doc/latex/changes/changes.ngerman.short.pdf
tex/latex/changes/changes.sty
```