idxcmds

vo.2b 2013/08/31

create commands for adding formatted index entries

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English documentation

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1 Licence and Requirements

Permission is granted to copy, distribute and/or modify this software under the terms of the LATEX Project Public License, version 1.3 or later (http://www.latex-project.org/lppl.txt). The package has the status "maintained."

IDXCMDs loads and needs the packages etoolbox¹ [Leh11], pgfopts² [Wri11] and ltx-cmds³ [Obe11].

2 Motivation

When working on a larger document and designing and writing the macros for various bits and pieces I was going to use I found myself repeatedly writing the same kind of macros again and again that had some kind of semantic meaning, maybe some markup definitions that also created an index entry and had a star form for omitting the index entry. They all had more or less the following structure:

on CTAN: etoolbox on CTAN: pgfopts on CTAN: ltxcmds

```
| \makeatletter
| \newcommand*\cmd{\@ifstar\cmd@star\cmd@nostar}
| \newcommand*\cmd@star[1]{\cmd@base{#1}}
| \newcommand*\cmd@nostar[1]{\cmd@base{#1}\cmd@idx{#1}}
| \newcommand*\cmd@base[1]{\textit{#1}}
| \newcommand*\cmd@idx[1]{\index{#1@\cmd@base{#1}}}
| \newcommand*\cmd@idx[1]{\index{#1@\cmd@base{#1}}}
| \makeatother
```

After having copied and pasted this code for the fourth time I thought: you should have a command that does this for you. That was when \newidxcmd was born. This command soon enough got some extensions, e.g., giving the commands thus defined an optional argument that allowed specifying the sorting. It wasn't long before I realized that I might want to use this \newidxcmd again in other documents which was when I wrote the first draft of this package.

I added other commands, \newsubmainidxcmd and \newsubidxcmd, which I didn't (and still don't) really use or need but of which I thought they could be useful for others, and here we are.

3 Usage

3.1 Available Commands

IDXCMDs provides these commands:

▶ \newidxcmd[<index cs>]{\cmd}{<formatting specs>}[<append>]

Defines a command \cmd that formats its argument according to <formatting specs> and creates an index entry with <index cs> that gets <appended. Refer to the argument of \cmd in <formatting specs> with #1.

Also defines a command \cmdidx that allows to only create an index entry. See section 3.2.1 for examples and further description of its functionality. Default for <index cs> is \index.

▶ \newsubidxcmd*[<index cs>]{\cmd}{<main entry>}{<form. specs>}[<append>]

Defines a command \cmd that formats its argument according to <form. specs> and creates an index sub-entry to <main entry> with <index cs> that gets <append> appended. Refer to the argument of \cmd in <form. specs> with #1.

Also defines a command \cmdidx that allows to only create an index entry. See section 3.2.2 for further description of its functionality. Default for <index cs> is \index.

▶ \newsubmainidxcmd[<index cs>]{\cmd}{<form. specs>}[<append>]

Defines a command \cmd that formats its argument according to <form. specs> and creates an index sub-entry to a main entry with <index cs> that gets <append> appended. Refer to the argument of \cmd in <form. specs> with #1.

Also defines a command \cmdidx that allows to only create an index entry. The main entry is specified at use time. See section 3.2.3 for examples and further description of its functionality. Default for <index cs> is \index.

The commands \cmd defined this way are robust but their formatting argument is not placed in a group. Keep this in mind when you use \bfseries or something in a definition. \cmd will be defined using etoolbox' \newrobustcmd which means an error will be thrown if \cmd is already defined.

Of course these commands cannot cover all possible use cases for index entries but that is not the intention of this package, anyway.

3.2 Command Usage

3.2.1 \newidxcmd

The command $\ensuremath{\mbox{cmd}}{\mbox{cmd}}{\mbox{cmd}}\$ will define a new command $\ensuremath{\mbox{cmd}}$ with the following syntax:

► \cmd*{<text>}

format <text> according to specifications, no index entry.

▶ \cmd[<srt idx>]{<text>}[<app>]

format <text> according to specifications, add formatted index entry, sorted according to <srt idx> or, if the optional argument is left out, sorted according to <text>. <app> is added to the index entry if the trailing optional argument is used (this can be useful for instance for getting formatted page numbers).

► \cmdidx[<srt idx>]{<text>}[<app>]

add formatted index entry, sorted according to <srt idx> or, if the optional argument is left out, sorted according to <text>. <app> is added to the index entry if the trailing optional argument is used.

Let's see an example:

```
1 % in the preamble, probably:
2 % \newidxcmd{\acr}{\textsc{#1}}
3 % \newidxcmd[{\index[examples]}]{\environ}{\texttt{#1}}[ (Environment)]
4 % \newidxcmd{\name}{\textsf{#1}}
5 \acr{cd}, \acr{id}
6
7 \environ{center}, \environ{flushleft}
8
9 \name*{Albert Einstein}, \name[Heisenberg]{Werner Heisenberg}
CD, ID
    center, flushleft
    Albert Einstein, Werner Heisenberg
```

You will find these examples in the index or the examples index, respectively. The second set of examples shows the purpose of the first optional argument: if you have several indexes – like this documentation has for demonstration purposes – you might need to specify the index

command used.⁴ If you want to prove if the example worked: Albert Einstein should not be found in the index and Werner Heisenberg should be sorted under *Heisenberg*. Both center and flushleft ahould be found in the examples index.

Now let's disect the example a bit. The uses of \acr{cd}, \name*{Albert Einstein} and \environ{center} will essentially expand to

```
1 % \acr{cd} =>
2 \textsc{cd}\index{cd@\textsc{cd}}
3 % and in \jobname.idx =>
4 \indexentry{cd@\textsc {cd}}{3}

5 % \name*{Albert Einstein} =>
7 \textsf{Albert Einstein}

8 % \environ{center} =>
10 \texttt{center}\index[examples]{center@\texttt{center} (Environment)}
11 % and in examples.idx =>
12 \indexentry{center@\texttt {center} (Environment)}{3}
```

3.2.2 \newsubidxcmd

The command \newsubidxcmd*{\cmd}{<main entry>}{<form. specs>} will define a new command \cmd with the same syntax as \newidxcmd does. However, \newsubidxcmd has an additional argument that specifies the main index entry this group of sub entries belongs to. For the unstarred variant this argument can be some arbitrary main entry. For the starred variant it demands a command plus argument defined by \newidxcmd as argument.

```
% preamble:
% \newsubidxcmd{\test}{Test}{\textcolor{red}{#1}}
\[
\chi_{\name}\text{\name}{\name}\textcolor{red}{#1}}
\[
\chi_{\name}\text{\name}\textcolor{\textcolor{red}{#1}}
\[
\chi_{\name}\text{\name}\textcolor{\textcolor{red}{#1}}
\]
\[
\chi_{\name}\text{\name}\textcolor{\textcolor{red}{#1}}
\]
\[
\chi_{\name}\text{\name}\textcolor{\textcolor{red}{#1}}
\]
\[
\chi_{\name}\textcolor{\textcolor{red}{#1}}
\]
\[
\chi_{\name}\textcolor{\textcolor{red}{*1}}
\]
\[
\chi_{\name}\textcolor{\textcolor{red}{*1}}
\]
\[
\textcolor{\textcolor{red}{*1}}
\]
\[
\textcolor{\textc
```

3.2.3 \newsubmainidxcmd

The command \newsubmainidxcmd{\cmd}{<form. specs>} will define a new command \cmd similar to \newsubidxcmd but where the main index entry is specified for every use case in the running text. \cmd will have the following syntax:

▶ \cmd*{<text>}

format <text> according to specifications, no index entry.

⁴ This document uses imakeidx [BG13] for this purpose.

- ▶ \cmd[<srt idx>]{<text>}{<main entry>}[<app>]
 - format <text> according to specifications, add formatted index sub-entry to the main index entry <main entry>, sorted according to <srt idx> or, if the optional argument is left out, sorted according to <text>. <app> is added to the index entry if the trailing optional argument is used (this can be useful for instance for getting formatted page numbers).
- ▶ \cmdidx[<srt idx>]{<text>}{<main entry>}[<app>] add formatted index sub-entry to the main index entry <main entry>, sorted according to <srt idx> or, if the optional argument is left out, sorted according to <text>. <app> is added to the index entry if the trailing optional argument is used.

```
1 % in the preamble, probably:
2 % \newsubmainidxcmd{\file}{\textsf{#1}}
3 \file{article}{classes} is a standard \LaTeX{} class.
4 \file{scrartcl}{KOMA-Script@\KOMAScript} is part of the \KOMAScript{} bundle.
5 \file*{test} is a dummy.
article is a standard LATeX class. scrartcl is part of the KOMA-Script bundle. test is a dummy.
```

3.3 Options

IDXCMDs has the following options – either setable as package option or with the setup command \setidxcmds {<options>} which takes a comma separated list of options:

- ► sort-sep = <symbol> Default: @ set makeindex symbol to separate the index into sorting and typesetting part as specified in the index style file.
- ► sub-sep = <symbol> Default: ! set makeindex symbol to add a sub entry as specified in the index style file.
- ► idx-cmd = <control sequence> Default: \index

Introduced in version 0.2b

The default indexing command that is used by IDXCMDS.

References

- [BG13] Claudio Beccari and Enrico Gregorio. imakeidx. Version 1.3, Mar. 26, 2013. URL: http://mirror.ctan.org/macros/latex/contrib/imakeidx.
- [Leh11] Philipp Lehman. etoolbox. Version 2.1, Jan. 21, 2011. URL: http://mirror.ctan.org/macros/latex/contrib/etoolbox.
- [Obe11] Heiko Oberdiek. ltxcmds. Version 1.22, Nov. 9, 2011. URL: http://mirror.ctan.org/tex-archive/macros/latex/contrib/oberdiek/.
- [Wri11] Joseph Wright. pgfopts. Version 2.1, June 2, 2011. URL: http://mirror.ctan.org/macros/latex/contrib/pgfopts.

In the following code the lines 1-32 have been omitted. They only repeat the license statement which has already been mentioned in section 1.

```
\def\@idxcmds@version{v0.2b}
   \def\@idxcmds@description{create commands for adding formatted index entries}
   \ProvidesPackage{idxcmds}[\@idxcmds@date\space \@idxcmds@version\space
    \@idxcmds@description\space (CN)]
38
   \RequirePackage{etoolbox,pgfopts,ltxcmds}
  % message handling:
  \ifstrequal{#1}{Error}
45
        \lowercase{\csdef{@idxcmds@#1}}##1##2{%
46
          \csuse{Package#1}{idxcmds}{##1}{##2}}%
48
        \lowercase{\csdef{@idxcmds@#1}}##1{%
           \csuse{Package#1}{idxcmds}{##1}}%
      }}
   \@idxcmds@create@message{Error}
   \@idxcmds@create@message{Warning}
   \@idxcmds@create@message{WarningNoLine}
   \@idxcmds@create@message{Info}
  % package options:
  \def\@idxcmds@sortsep{@}
   \def\@idxcmds@subsep{!}
  \def\@idxcmds@default@index{\index}
  \pgfkeys{
63
    idxcmds/.cd,
64
      sort-sep/.code = \def\@idxcmds@sortsep{#1} ,
       sub-sep/.code = \def\@idxcmds@subsep{#1} ,
      idx-cmd/.code = \def\@idxcmds@default@index{#1}
68
   \ProcessPgf0ptions*
   \newrobustcmd*\setidxcmds[1]{\pgfqkeys{/idxcmds}{#1}}
  % a few helpers:
  \def\@idxcmds@stripbs{\expandafter\@gobble\string}
  \def\@idxcmds@csdef#1{\csdef{\@idxcmds@stripbs#1}}
  \def\@idxcmds@csuse#1{\csuse{\@idxcmds@stripbs#1}}
```

```
\def\@idxcmds@appdef#1[#2]{\@idxcmds@csdef{#1@idx@app}{#2}}
    \def\@idxcmds@newcommand{%
      \@ifstar
        {\@idxcmds@newcommand@star}
        {\@idxcmds@newcommand@nostar}%
82
    }
83
    \def\@idxcmds@newcommand@nostar#1{%
      \expandafter\newrobustcmd\csname\@idxcmds@stripbs#1\endcsname}
85
    \def\@idxcmds@newcommand@star#1{%
86
      \expandafter\newrobustcmd\expandafter*\csname\@idxcmds@stripbs#1\endcsname}
87
88
89
    % \newidxcmd[<index cmd>]{<cs>}{<formatting specs>}[<app to idx entry>]
   % new commands will have the syntax
       \cmd*{<text>}
                                  => no index entry
   %
        \cmd{<text>}
                                  => index entry
93
        \cmd[<sort idx>]{<text>} => alt. sort index
94
95
    \newrobustcmd\newidxcmd[3][\@idxcmds@default@index]{%
97
      \ensuremath{\texttt{@idxcmds@csdef{#2@base}}\#1{\#3}}
98
      \ensuremath{\mbox{\sc def}{\#2@idx}\#1\#2\#3}%
        \ifblank{##1}
          {%
101
            #1{%
               ##2\@idxcmds@sortsep
               \@idxcmds@csuse{#2@base}{##2}%
               \@idxcmds@csuse{#2@idx@app}%
105
               ##3%
106
            }%
          }
          {%
            #1{%
               ##1\@idxcmds@sortsep
               \@idxcmds@csuse{#2@base}{##2}%
               \@idxcmds@csuse{#2@idx@app}%
113
              ##3%
            }%
          }%
116
        }%
117
      \ensuremath{\ensuremath{\mbox{0.5}}}\#1{\ensuremath{\mbox{0.5}}}\#1}\
118
      \ensuremath{\mbox{0idxcmds@csdef{#2@nostar}}{\%}
        \ltx@ifnextchar[%
120
          {\@idxcmds@csuse{#2@nostar@opt}}
121
          {\@idxcmds@csuse{#2@nostar@opt}[]}}%
      \@idxcmds@csdef{#2@nostar@opt}[##1]##2{%
123
        \@idxcmds@csuse{#2@base}{##2}%
124
        \ltx@ifnextchar@nospace[%
125
          {\@idxcmds@csuse{#2@idx@optarg}{##1}{##2}}
```

```
{\c {\c didxcmds@csuse{#2@idx}{##1}{##2}{}}}%
127
               \@idxcmds@csdef{#2@idx@optarg}##1##2[##3]{%
128
                    \@idxcmds@csuse{#2@idx}{##1}{##2}{##3}}%
               \newrobustcmd*#2{%
                         {\@idxcmds@csuse{#2@star}}
132
                         {\@idxcmds@csuse{#2@nostar}}}%
               \ensuremath{\mbox{\tt @idxcmds@newcommand*{#2idx}[2][]}{\%}
134
                    \ltx@ifnextchar@nospace[
135
                         {\@idxcmds@csuse{#2@idx@optarg}{##1}{##2}}
                         {\c {\c didxcmds@csuse{#2@idx}{##1}{##2}{}}}%
137
               \ltx@ifnextchar[%
138
                    {\@idxcmds@appdef{#2}}
139
                    {\@idxcmds@appdef{#2}[]}%
140
         }
141
142
143
         % \newsubmainidxcmd[<index cmd>]{<cs>}{<formatting specs>}[<app to idx entry>]
         145
               \ensuremath{\mbox{0idxcmds@csdef{#2@base}##1{#3}}%
146
               \@idxcmds@csdef{#2@idx}##1##2##3##4{%
147
                   \left\{ \text{ifblank} \right\}
                         {%
149
                              #1{%
                                    ##3\@idxcmds@subsep##2\@idxcmds@sortsep
                                    \@idxcmds@csuse{#2@base}{##2}%
                                    \@idxcmds@csuse{#2@idx@app}%
                                    ##4%
154
                              }%
                         }{%
                              #1{%
157
                                    ##3\@idxcmds@subsep##1\@idxcmds@sortsep
                                    \@idxcmds@csuse{#2@base}{##2}%
                                    \@idxcmds@csuse{#2@idx@app}%
                                    ##4%
                              }%
162
                        }%
163
                   }%
               \ensuremath{\ensuremath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\climath{\alimath{\climath{\climath{\alimath{\climath{\alimath{\climath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\alimath{\ali
165
               \@idxcmds@csdef{#2@nostar}{%
166
                   \ltx@ifnextchar[%
                         {\@idxcmds@csuse{#2@nostar@opt}}
                         {\@idxcmds@csuse{#2@nostar@opt}[]}}%
169
                    \verb|\didxcmds@csdef{#2@nostar@opt}[##1]##2##3{%|}
170
                    \ensuremath{\tt @idxcmds@csuse{\#2@base}{\#\#2}}
                    \ltx@ifnextchar@nospace[%
172
                         {\@idxcmds@csuse{#2@idx@optarg}{##1}{##2}{##3}}
                         {\@idxcmds@csuse{#2@idx}{##1}{##2}{##3}{}}}%
174
               \@idxcmds@csdef{#2@idx@optarg}##1##2##3[##4]{%
```

```
176
     \newrobustcmd*#2{%
177
       \@ifstar
         {\@idxcmds@csuse{#2@star}}
         {\@idxcmds@csuse{#2@nostar}}}%
180
     \@idxcmds@newcommand*{#2idx}[3][]{%
181
       182
     \ltx@ifnextchar[%
183
       {\@idxcmds@appdef{#2}}
184
       {\c didxcmds@appdef{#2}[]}%
185
188
   % \newsubidxcmd[<index cmd>]{<cs>}{<idx cmd>}{<formatting specs>}[<app to idx entry
   % \newsubidxcmd*[<index cmd>]{<cs>}{<main entry>}{<formatting specs>}[<app to idx
     entry>]
   \newif\if@idxcmds@sub@star
   % get main if starred
193
   \def\@idxcmds@extract@main#1#2{%
194
     \ltx@ifnextchar[%
       {\ensuremath{\mbox{\tt @idxcmds@extract@main@aux{\#1}{\#2}}}
       {\@idxcmds@extract@main@aux{#1}{#2}[]}}
   \def\@idxcmds@extract@main@aux#1#2[#3]#4{%
     \ifstrempty{#3}
       {\@idxcmds@csdef{#1@main@sort}{#4}}
201
       {\@idxcmds@csdef{#1@main@sort}{#3}}}
   \newcommand*\newsubidxcmd{%
204
     \@ifstar
205
       {\@idxcmds@sub@startrue\@idxcmds@subidx}
206
       {\@idxcmds@sub@starfalse\@idxcmds@subidx}}
   \newrobustcmd\@idxcmds@subidx[4][\@idxcmds@default@index]{%
     \@idxcmds@csdef{#2@base}##1{#4}%
209
     \if@idxcmds@sub@star
       \@idxcmds@extract@main#2#3%
       \ensuremath{\mbox{0idxcmds@csdef}{\#2@idx}\#1\#\#2\#3}
212
         \ifblank{##1}
           {%
             #1{%
215
               \@idxcmds@csuse{#2@main@sort}\@idxcmds@sortsep
216
               \@idxcmds@csuse{#2@main}%
217
               \@idxcmds@subsep##2\@idxcmds@sortsep
218
               \@idxcmds@csuse{#2@base}{##2}%
               \@idxcmds@csuse{#2@idx@app}%
               ##3%
             }%
```

```
}{%
223
                                                                #1{%
                                                                          \@idxcmds@csuse{#2@main@sort}\@idxcmds@sortsep
                                                                          \@idxcmds@csuse{#2@main}%
                                                                          \@idxcmds@subsep##1\@idxcmds@sortsep
                                                                          \@idxcmds@csuse{#2@base}{##2}%
228
                                                                          \@idxcmds@csuse{#2@idx@app}%
                                                                          ##3%
                                                                }%
                                                       }}%
                           \else
233
                                    \end{area} $$ 
                                             \ifblank{##1}
                                                       {%
236
                                                               #1{%
237
                                                                          #3%
238
                                                                          \@idxcmds@subsep##2\@idxcmds@sortsep
                                                                          \@idxcmds@csuse{#2@base}{##2}%
                                                                          \@idxcmds@csuse{#2@idx@app}%
241
                                                                          ##3%
242
                                                                }%
243
                                                      }{%
                                                                #1{%
245
                                                                          #3%
246
                                                                          \@idxcmds@subsep##1\@idxcmds@sortsep
                                                                          \ensuremath{\texttt{@idxcmds@csuse}{\#2@base}{\#2}}
                                                                          \@idxcmds@csuse{#2@idx@app}%
249
                                                                          ##3%
                                                                 }%
251
                                                       }}%
252
                           \fi
253
                           \ensuremath{\ensuremath{\text{@idxcmds@csuse}{\#2@base}{\#1}}}
254
                            \@idxcmds@csdef{#2@nostar}{%
                                    \ltx@ifnextchar[%
                                             {\@idxcmds@csuse{#2@nostar@opt}}
257
                                              {\@idxcmds@csuse{#2@nostar@opt}[]}}%
258
                           \@idxcmds@csdef{#2@nostar@opt}[##1]##2{%
259
                                    \ensuremath{\texttt{@idxcmds@csuse}{\#2@base}{\#2}}
                                    \ltx@ifnextchar@nospace[%
261
                                             {\@idxcmds@csuse{#2@idx@optarg}{##1}{##2}}
262
                                             {\c {\c didxcmds@csuse{#2@idx}{##1}{##2}{}}}%
                           \ensuremath{\mbox{\mbox{0}}} \ensuremath{\mbox{0}} \ensuremath
                                    265
                           \newrobustcmd*#2{%
266
                                    \@ifstar
267
                                             {\@idxcmds@csuse{#2@star}}
                                             {\@idxcmds@csuse{#2@nostar}}}%
269
                            \@idxcmds@newcommand*{#2idx}[2][]{%
270
                                    \ensuremath{\mbox{\mbox{0}idxcmds@csuse}{\#2@idx}{\#1}{\#2}}%
```

```
\ltx@ifnextchar[%
        {\@idxcmds@appdef{#2}}
273
        {\c didxcmds@appdef{#2}[]}%
275
276
    \endinput
277
    %
   % HISTORY:
    2012/11/02 \text{ v0.1} - first working version
    2013/04/11 v0.la - made \mbox{\ensuremath{\underline{newidxcmd}}}, \mbox{\ensuremath{\underline{newsubmainidxcmd}}} and \mbox{\ensuremath{\underline{newsubidxcmd}}} robust
    2013/04/16 v0.2 \, - added trailing optional argument to defined commands
                         that allows appending stuff to the index entry at use-time
   2013/05/14 v0.2a - added \ensuremath{\setminus} setidxcmds
    2013/08/31 \ v0.2b - added option `idx-cmd'
```

Index

This index has some peculiar entries in addition to the ones you would normally expect. But actually they are the corresponding entries to the examples shown in section 3.

C	Implementation 6	P
CD	\index 2	pgfopts
classes		
article 5	K	S
\cmd 3 ff.	KOMA-Script	-
\cmdidx 3, 5	scrartcl5	\setidxcmds5
5,3		sort-sep5
E	L	sub-sep 5
etoolbox , 3	Licence	
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