l3erw-disambig*

Erwann Rogard†

Released 2018/05/20

Abstract

LaTeX3 package to add a prefix to the names of commands created using `\NewDocumentCommand`, so as to prevent conflicts with external commands.

1 Usage

`\disambigset`

`\disambigset{⟨prefix⟩}`

See Listing 1

`\disambignewcmd`
`\disambignewcmd*`

`\disambignewcmd{⟨cs⟩}{⟨pars⟩}{⟨code⟩}`

Anologues of `\NewDocumentCommand` and `\RenewDocumentCommand`
    See Listing 2

`\disambignewenv`
`\disambignewenv*`

`\disambignewenv{⟨cs⟩}{⟨pars⟩}{⟨code1⟩}{⟨code2⟩}`

Anologues of `\NewDocumentEnvironment` and `\RenewDocumentEnvironment`
    See Listing 3

Listing 1

Input

```
\disambigset{my}
```

Output

Listing 2

Input

```
\disambignewcmd{foo}{m}{#1~world!}
\noindent\myfoo{Hello}
\disambignewcmd*{foo}{m}{#1~universe!}
\\\myfoo{Hello}
```

Output
Hello world!
Hello universe!

---

*This file describes version v0.1, last revised 2018/05/20.

†firstname dot lastname AusTria gmail dot com

Listing 3

Input

```
\disambignewenv{bar}{}{\textrightarrow}{\textleftarrow}
\begin{mybar}
  Hello~world
\end{mybar}
\disambignewenv*{bar}{}{>}{<}
\\\begin{mybar}
  Hello~world
\end{mybar}
```

Output

→ Hello world ←
> Hello world <

2 Implementation

```
1  \NeedsTeXFormat{LaTeX2e}
2  \RequirePackage{expl3}[2018/02/21]
3  \RequirePackage{xparse}[2018/02/21]
4  \ExplSyntaxOn
5  \tl_new:N \__erw_disambig_tl
6  \keys_define:nn { erw_disambig }
7  {
8    disambig .tl_set:N = \__erw_disambig_tl,
9    disambig .initial:n = erw
10 }
11 \cs_set:Npn \__erw_disambig:NN #1 #2 {#1{#2}}
12 \cs_generate_variant:Nn \__erw_disambig:NN { Nc }
13 \NewDocumentCommand{\disambignewcmd}{ s m m m }
14 {
15   \IfBooleanTF{#1}
16       {\__erw_disambig:Nc{\RenewDocumentCommand}}
17       {\__erw_disambig:Nc{\NewDocumentCommand}}
18     {\__erw_disambig_tl #2}
19     {#3}
20     {#4}
21 }
22 \NewDocumentCommand{\disambignewenv}{ s m m m m }
23 {
24   \IfBooleanTF{#1}
25     {\RenewDocumentEnvironment}
26     {\NewDocumentEnvironment}
27   {\__erw_disambig_tl #2}
28   {#3}
29   {#4}
30   {#5}
31 }
32 \NewDocumentCommand{\disambigset}{ m }
33 {
34   \keys_set:nn { erw_disambig }
```

```
35    {
36          disambig={#1}
37    }
38 }
39 %\ProcessKeysOptions{ erw_disambig }
40 \ExplSyntaxOff
```