SuSy TeX package

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This package is intended to make LaTeXdocuments typesetting easier for people dealing with supersymmetry. The package simply contains abreviations of longer expressions.

1 Requirements

This package only requires LaTeX.

2 Installation

TO install this package go to the directory where you downloaded the tar.gz file. Do
```
$ tar xvzf susy.tar.gz
```
Then as super-user do
```
$ cp -rf susy /usr/share/texmf/tex/latex/
$ texhash
```
Or, if you do not have root permission on your machine do
```
$ cd
$ mkdir $HOME/texmf
$ cp -rf susy $HOME/texmf
$ texhash
```

3 Commands

The table below reports all available commands.

Sfermions			
\sfer	$\tilde{f}$	\sfer[i]	$\tilde{f}_i$
Squarks			
\sqk	$\tilde{q}$	\sqk[i]	$\tilde{q}_i$
\squ	$\tilde{u}$	\squ[i]	$\tilde{u}_i$
\sqd	$\tilde{d}$	\sqd[i]	$\tilde{d}_i$
\sqc	$\tilde{c}$	\sqc[i]	$\tilde{c}_i$
\sqs	$\tilde{s}$	\sqs[i]	$\tilde{s}_i$
\sqt	$\tilde{t}$	\sqt[i]	$\tilde{t}_i$
\sqb	$\tilde{b}$	\sqb[i]	$\tilde{b}_i$
Sleptons			
\slep	$\tilde{l}$	\slep[i]	$\tilde{l}_i$
\sle	$\tilde{e}$	\sle[i]	$\tilde{e}_i$
\slmu	$\tilde{\mu}$	\slmu[i]	$\tilde{\mu}_i$
\sltau	$\tilde{\tau}$	\sltau[i]	$\tilde{\tau}_i$
\slneu	$\tilde{\nu}$	\slneu[i]	$\tilde{\nu}_i$

Gauginos			
\go	$\tilde{g}$	\Zo	$\tilde{Z}$
\Wo	$\tilde{W}$	\pho	$\tilde{\gamma}$
Neutralinos & charginos			
\No	χ^0	\No[i]	χ^0_i
\Co	$\chi^\pm$	\Co[i]	$\chi^\pm_i$
\Cop	χ^+	\Cop[i]	χ^+_i
\Com	χ^-	\Com[i]	χ^-_i
Higgs sector			
\Hu	H_u	\Hu[i]	H^i_u
\Hd	H_d	\Hd[i]	H^i_d
\Hou	$\tilde{H}_u$	\Hou[i]	$\tilde{H}^i_u$
\Hod	$\tilde{H}_d$	\Hod[i]	$\tilde{H}^i_d$
\Ho	$\tilde{H}$	\Ho[i]	$\tilde{H}^i$