

The `mkessler-mathfixes` package

Maximilian Keßler

October 19, 2023

Abstract

This package includes some hacky \LaTeX (re)-definitions to fix common misbehavior of built-in macros.

For sure, this is personal view-dependent. If you don't like these definitions, don't use this package.

1 Provided macros

Table 1 shows the behavior of macros with the `mkessler-mathfixes` behavior.

<u><code>\degree</code></u>	Prints a visual degree symbol, as in 37° .
<u><code>\oldlim</code></u>	Behaves like the built-in <code>\lim</code> from \LaTeX .
<u><code>\lim</code></u>	Defined as <code>\oldlim\limits</code> , always puts the limits below the symbol, also in inline math mode.
<u><code>\subset</code> <code>\supset</code></u>	Redefined to <code>\subteq</code> and <code>\supseteq</code> to avoid ambiguities.
<u><code>\oldphi</code> <code>\uglyphi</code> <code>\goldenratio</code></u>	Synonyms for the built-in <code>\phi</code> symbol.
<u><code>\phi</code> <code>\varphi</code></u>	Synonyms for the built-in <code>\varphi</code> symbol.
<u><code>\oldepsilon</code> <code>\uglyepsilon</code></u>	Synonyms for the built-in <code>\epsilon</code> symbol.
<u><code>\epsilon</code> <code>\varepsilon</code></u>	Synonyms for the built-in <code>\varepsilon</code> symbol.

Command	Shown by L ^A T _E X
<code>\degree</code>	\circ
<code>\subset</code>	\subseteq
<code>\supset</code>	\supseteq
<code>\oldphi</code>	ϕ
<code>\uglyphi</code>	ϕ
<code>\goldenratio</code>	ϕ
<code>\phi</code>	φ
<code>\varphi</code>	φ
<code>\oldepsilon</code>	ϵ
<code>\uglyepsilon</code>	ϵ
<code>\epsilon</code>	ε
<code>\varepsilon</code>	ε
<code>\$_\oldlim_{n \to \infty}\$</code>	$\lim_{n \rightarrow \infty}$
<code>\$_\lim_{n \to \infty}\$</code>	$\lim_{n \rightarrow \infty}$

Table 1: Symbols when loaded with the `mkessler-mathfixes` package.

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The italic numbers denote the pages where the corresponding entry is described, numbers underlined point to the definition, all others indicate the places where it is used.

D		P	
<code>\degree</code>	..... <i>1, 2</i>	<code>\phi</code>	..... <i>1, 2</i>
E		S	
<code>\epsilon</code>	..... <i>1, 2</i>	<code>\subset</code>	..... <i>1, 2</i>
G		<code>\subsetq</code>	..... <i>1</i>
<code>\goldenratio</code>	..... <i>1, 2</i>	<code>\supset</code>	..... <i>1, 2</i>
I		<code>\subsetq</code>	..... <i>1</i>
<code>\infty</code>	..... <i>2</i>	T	
L		<code>\to</code>	..... <i>2</i>
<code>\lim</code>	..... <i>1, 2</i>	U	
<code>\limits</code>	..... <i>1</i>	<code>\uglyepsilon</code>	..... <i>1, 2</i>
O		<code>\uglyphi</code>	..... <i>1, 2</i>
<code>\oldepsilon</code>	..... <i>2</i>	V	
<code>\oldespilon</code>	..... <i>1</i>	<code>\varepsilon</code>	..... <i>1, 2</i>
<code>\oldlim</code>	..... <i>1, 2</i>	<code>\varphi</code>	..... <i>1, 2</i>
<code>\oldphi</code>	..... <i>1, 2</i>		