

The mkessler-faktor package

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October 19, 2023

Abstract

The `faktor` package provides a mechanism to produce fractions for mathematical factors. Its mechanism is, however, quite limited. Inspired by the [Tex StackExchange](https://tex.stackexchange.com/questions/27591/extending-the-faktor-package) answer of user [Werner](#), that was given on <https://tex.stackexchange.com/questions/27591/extending-the-faktor-package> we provide a simple package that wraps (and slightly modifies) the given answer into a more general `\faktor` command.

`\faktor`

`\faktor*` `\faktor*[\langle shift enumerator \rangle]{\langle enumerator \rangle}[\langle shift denominator \rangle]{\langle denominator \rangle}`

Produces a fraction with tilted “/” symbol and the corresponding $\langle enumerator \rangle$ and $\langle denominator \rangle$. The “/” symbol is automatically scaled.

The $\langle shift \rangle$ parameters can be controlled to fine tune the vertical placement of $\langle enumerator \rangle$ and $\langle denominator \rangle$. Their default values when not given are 0.5 and -0.5, respectively.

The “*” can be optionally given. This will make the `\faktor` behave like the old `\faktor` command from the `\faktor` package, that is, the “/” won’t scale.

`\cofaktor`

`\cofaktor*` `\faktor*[\langle shift denominator \rangle]{\langle denominator \rangle}[\langle shift enumerator \rangle]{\langle enumerator \rangle}`

Behaves the same as `\faktor`, but produces a `\cofaktor`.

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