

The `mboxfill` package*

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1 User Interface

`\mboxfill` This package implements the command

```
\mboxfill[⟨width⟩][⟨leader-type⟩]{⟨pattern⟩}
```

filling a free horizontal space with $\langle pattern \rangle$.

The $\langle width \rangle$ parameter specifies a width of box pattern to be used as leaders. If it is omitted, the pattern width is used. The `\width`, `\height`, `\depth`, and `\totalheight` macros can be used in this parameter. Length expressions are also allowed if the `calc` package is loaded.

The $\langle leader-type \rangle$ parameter specifies a type of leaders to be used: `c` means `\cleaders`, `x` means `\xleaders`, and empty value (default) means `\leaders`. Depending on type, an extra space is distributed between fill entries as follows: in `c` case, fill entries are centered, in `x` case, fill entries are uniformly distributed, and in other cases, fill entries are aligned to the multiple of their width counted from the left boundary of filled box.

When the specified $\langle width \rangle$ differs from the pattern width, the pattern is centered inside the box to fill with. As a consequence, when `x`-leaders are used, a bit of space will be left from both sides of fill area. To remove this space, use the special value of $\langle leader-type \rangle$ parameter, namely `s`.

Example:

```
\noindent\mboxfill{*}\mbox{\}\}\
\mbox{\}\mboxfill[2\width]{+}\mbox{\}\}\
\mbox{\}\mboxfill[2\width]{\hfill+}\mbox{\}\}\
\mbox{\}\mboxfill[2\width]{+\hfill}\mbox{\}\}\
A text\mboxfill[1.5\width]{*}\mbox{\}\}\
\mbox{\}\mboxfill[1.5\width]{*}\mbox{\}\}\
\mbox{\}\mboxfill[1.5\width][c]{*}\mbox{\}\}\
\mbox{\}\mboxfill[1.5\width][x]{*}\mbox{\}\}\
\mbox{\}\mboxfill[1.5\width][s]{*}\mbox{\}\}\[-2ex]
\mbox{\}\hrulefill
```

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