

The nccstretch package*

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1 User Interface

`\stretchwith` The package implements the command

`\stretchwith{<foo>}{<text>}`

that stretches the `<text>` parameter inserting the `<foo>` sequence between every pair of neighbour tokens of the `<text>`. Spaces in the text are ignored. So, to save a space, you need to insert a backslash before it or enclose a space in braces. If you do not want to insert `<foo>` between some tokens, enclose them in braces. While stretching, all first-level braces are removed. The examples below show some use cases (we delimit the results with rules to show exactly how the command works):

Command

```
\stretchwith{\,}{Proof\ of\ Theorem\ 1}
\stretchwith{.}{\ test{ }test{ }\ {test}{\"e}}
\makebox[1.5\width]{\stretchwith{\hfill}{test\ test}}
```

Result

```
|Proof of Theorem 1|
|.t.e.s.t. .t.e.s.t. . .test. |
|test test|
```

2 The Implementation

`\stretchwith` The command is implemented using `\@tfor` cycle. The `\@tempa` command contains a sequence to be inserted before the next token. It is set to `\relax` before the cycle and is set to `<foo>` after every inserted token. This trick allows insert `<foo>` **between** neighbour tokens only.

```
1 <*package>
2 \newcommand*\stretchwith[2]{%
3   \let\@tempa\relax
4   \def\@tempb{#1}%
5   \@tfor\@tempc:=#2\do {\@tempa \@tempc \let\@tempa\@tempb}%
6 }
7 </package>
```

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