

The `savefnmark` Package*

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Abstract

Sometimes the same footnote applies to more than one location in a table. With this package the mark of a footnote can be saved into a name, and re-used subsequently without creating another footnote at the bottom.

Contents

1 License	1
2 Introduction	1
3 Example	2
4 To Do and Bugs	3
5 Implementation	3

1 License

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2 Introduction

Sometimes the same footnote applies to more than one location in a table. With this package the mark of a footnote can be saved into a name, and re-used subsequently without creating another footnote at the bottom.

This even works between tables (in minipages) and footnotes in surrounding text. The appearance of the footnote mark is kept, that is when a footnote of a previous table is mentioned in the text following the table, the mark looks the same as it does in the table.

The footnote marks are saved globally into a given control sequence. This control sequence must not have already been used and is defined for the whole of the document.

4 To Do and Bugs

Any bugs?

Is it worth implementing a forward reference capability?

5 Implementation

```
1 <*package>
```

`\saveFN` First part: save the footnote number and whether it was a normal footnote or one from inside a minipage. We test first whether the control sequence to save it in is already defined.

```
2 \newcommand\saveFN[1]{%
3   \newcommand{#1}{}%
4   \xdef#1{\noexpand\@useFN{\@mpfn}{\the\csname c@\@mpfn\endcsname}}%
5   %\show#1%
6 }
```

`\useFN` Start a new group and temporarily disable the creation of the footnote text by `\@xfootnote`, then run the command defined when saving the mark. This restores the footnote type and its number, then prints the corresponding mark.

```
7 \newcommand\useFN[1]{\begingroup\let\@footnotetext\relax#1\endgroup}
8 \newcommand\@useFN[2]{%
9   \def\@mpfn{#1}%
10  \expandafter\let\expandafter\thempfn\csname the#1\endcsname
11  \@xfootnote[#2]%
12 }
```

```
13 </package>
```