

Footnotes for footmen^{*}

A. Nony Mous[†]

In the standard LaTeX document classes `article`, `report` and `book`, the macro `\maketitle` \lets `\footnote` to `\thanks` and footnote marks are taken from a specified list of symbols. (In the AMS classes¹ the titular footnote marks will appear only in the footnote itself at the bottom of the page.)

Footnotes after `\maketitle` use numeric markers beginning at 1, in some form² smaller than lining numbers.

This footnote page snippet was prepared with `lualatex` using the preamble:

```
\documentclass[11pt]{article}
\usepackage{trace}
\usepackage[margin=1.1in]{geometry}
\usepackage[parfill]{parskip}
\usepackage[p,supscale=1.15,supsraised=-.114em,supscolor=red!70!black]{newpxtext}
\usepackage{xcolor}
\title{Footnotes for footmen\footnote{and footwomen}}
\author{A. Nony Mous\thanks{Thanks for nothing---not even a real name.}}
\date{}
```

As the default `supscale` option was not specified, footnote markers were drawn from the superior symbols and figures in the text font.

By setting the options `supscale` and `supsraised`, the footnote markers were made a bit more prominent while keeping their tops about the same as without the options. (The superior numbers in this font have baseline at `.350em` and top at `.763em`. Scaling up by the factor 1.15 increases the top by 15% of `.763em` = `.114em` and moves the baseline up to `1.15 * 350em` = `403em`.) It is not a good idea to use the `supscolor` option if you are using `hyperref`.

Note that the titular footnotes do not align vertically with the body footnotes. I do not understand why this is so despite spending several hours of miserable debugging. The results are the same under both `pdflatex` and `lualatex`, and without any calls to `newpx` or `footmisc`. I suspect there may be a bug in `latex.ltx` but cannot point to it. It does seem significant to me that the indent of the footnote text in body footnotes is `1.8em`, while for titular footnotes, that indent seems to be scaled by `\footnotesize`. Oddly, the titular footnote markers are colored as specified under `lualatex` but not under `[pdf]latex`.

^{*}and footwomen

[†]Thanks for nothing—not even a real name.

¹`amsart`, `amsproc`, `amsbook`

²Best not using scaled-down lining figures.