

On the contrary, unicode-math expects this.

The package manual 2020/01/31 0.8q

#### 4.4.1 Default 'text math' fonts

"When selecting document fonts using fontspec commands such as `\setmainfont`, unicode-math inserts some additional code into fontspec that keeps the current default fonts 'in sync' with their corresponding `\mathrm` commands, etc. For example, in standard L A TEX, `\mathsf` doesn't change even if the main document font is changed using `\renewcommand\sfdefault{...}`. With unicode-math loaded, after writing `\setsansfont{Helvetica}`, `\mathsf` will now be set in Helvetica."

Seems the manual should be corrected.

The bug is noted in my second point. More detail description is following.

When fontspec is loaded and the main fonts (rm, sf and tt) are not explicitly set in the preamble, Latin Modern fonts are used. One can replace them in the middle of the document via `\setmainfont` etc.

Since unicode-math automatically loads fontspec, one expects the same managing of text fonts, but the following error

```
! Extra \else.  
\SetMathAlphabet ...g #1\space \endcsname #1\else  
@latex@error {Encoding sc...
```

occurs in some cases when the text fonts are replaced.

I hope that the samples help to locate the bug.

All is OK when the main fonts are explicitly set before formulae:

```
\usepackage{unicode-math}  
\setmainfont{.....}  
\begin{document}
```

or

```
\usepackage{unicode-math}  
\begin{document}  
.....  
\setmainfont{.....} ..... $...$
```

All is OK when the math alphabet bounded to the text font is not used in formula:

```
\usepackage{unicode-math}
\begin{document}
$ x=y $
\setmainfont{.....}
```

Error occurs when math alphabet is used in formula and hereafter the proper text font is replaced:

```
\usepackage{unicode-math}
\begin{document}
$ x=y \mathrm{adcdefffi} $
\setmainfont{.....}
```

```
! Extra \else.
\SetMathAlphabet ...g #1\space \endcsname #1\else
@latex@error {Encoding sc...
```

This is due to "unicode-math inserts some additional code into fontspec that keeps the current default fonts 'in sync' with their corresponding `\mathrm` commands".

As mentioned above, 'in sync' is also absent.

Best regards,  
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