

Cheap Optical Sizing in Pennstander

December 22, 2025

The issue is that in $2^{\log n}$ the \log uses the text font. Since the math font in Pennstander has cheap optical sizing we want to do the same with the text font (or maybe we don't; it is a matter of opinion).

With the way Pennstander is loaded in this file these all look pretty much the same which fixes the issue:

Text $TT TT TT TT$
Math: $TT TT TT TT$

Text: $H^{TT TT TT TT}$
Math: $H^{TT TT TT TT}$
TextInMath: $H^{TT TT TT TT}$

Text: $H^{TT TT TT TT}$
Math: $H^{TT TT TT TT}$
TextInMath: $H^{TT TT TT TT}$

The next examples will look slightly different (e.g. ligatures) but the weight should be about the same

Math: $2^{\log n}$
TextInMath: $2^{\log n}$
Math: $2^{\text{Diff}(u)}$
TextInMath: $2^{\text{Diff}(u)}$