

Matplotlib's math rendering engine

$$W_{\delta_1 \rho_1 \sigma_2}^{3\beta} = U_{\delta_1 \rho_1}^{3\beta} + \frac{1}{8\pi^2} \int_{\alpha_2}^{\alpha_2} d\alpha'_2 \left[\frac{U_{\delta_1 \rho_1}^{2\beta} - \alpha'_2 U_{\rho_1 \sigma_2}^{1\beta}}{U_{\rho_1 \sigma_2}^{0\beta}} \right]$$

Subscripts and superscripts:

$$\alpha_i > \beta_i, \alpha_{i+1}^j = \sin(2\pi f_j t_i) e^{-5t_i/\tau}, \dots$$

Fractions, binomials and stacked numbers:

$$\frac{3}{4}, \binom{3}{4}, \frac{3}{4}, \left(\frac{5-\frac{1}{x}}{4}\right), \dots$$

Radicals:

$$\sqrt{2}, \sqrt[3]{x}, \dots$$

Fonts:

Roman , *Italic* , Typewriter or *CALLOGRAPHY*

Accents:

\acute{a} , \bar{a} , \check{a} , \grave{a} , \ddot{a} , \grave{a} , \hat{a} , \tilde{a} , \vec{a} , \widehat{xyz} , \widetilde{xyz} , ...

Greek, Hebrew:

α , β , χ , δ , λ , μ , Δ , Γ , Ω , Φ , Π , Υ , ∇ , \aleph , \beth , γ , λ , ...

Delimiters, functions and Symbols:

Π , \int , \oint , \prod , \sum , \log , \sin , \approx , \oplus , \star , α , ∞ , ∂ , \Re , \leftrightarrow , ...