A Sample of the `newpxtext` Font

with `newpxmath` *and T_EX Gyre Heros*

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1.1   Quisque ullamcorper placerat ipsum

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2 Sample page of mathematical typesetting

First some large operators both in text: $\iiint\limits_{Q} f(x, y, z)\, dx\, dy\, dz$ and $\prod_{\gamma \in \Gamma_{\widetilde{C}}} \partial(\widetilde{X}_\gamma)$; and also on display:

$$\iiiint\limits_{Q} f(w, x, y, z)\, dw\, dx\, dy\, dz \leq \oint_{\partial Q} f' \left(\max \left\{ \frac{\|w\|}{|w^2 + x^2|}; \frac{\|z\|}{|y^2 + z^2|}; \frac{\|w \oplus z\|}{\|x \oplus y\|} \right\} \right)$$

$$\gtrapprox \biguplus_{\mathbb{Q} \in \bar{Q}} \left[f^* \left(\frac{\int \mathbb{Q}(t)\rfloor}{\sqrt{1 - t^2}} \right) \right]_{t=\alpha}^{t=\vartheta} \tag{1}$$

For x in the open interval $]{-1}, 1[$ the infinite sum in Equation (2) is convergent; however, this does not hold throughout the closed interval $[-1, 1]$.

$$(1 - x)^{-k} = 1 + \sum_{j=1}^{\infty} (-1)^j \begin{Bmatrix} k \\ j \end{Bmatrix} x^j \quad \text{for } k \in \mathbb{N}; k \neq 0. \tag{2}$$

Theorem 1 (Residue Theorem). Let f be analytic in the region G except for the isolated singularities $a_1, a_2, \ldots, a_m$. If γ is a closed rectifiable curve in G which does not pass through any of the points a_k and if $\gamma \approx 0$ in G then

$$\frac{1}{2\pi i} \int_\gamma f = \sum_{k=1}^{m} n(\gamma; a_k) \mathrm{Res}(f; a_k).$$

Theorem 2 (Maximum Modulus). *Let G be a bounded open set in $\mathbb{C}$ and suppose that f is a continuous function on G^- which is analytic in G. Then*

$$\max\{|f(z)| : z \in G^-\} = \max\{|f(z)| : z \in \partial G\}.$$

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