# Mathematical typesetting with Concrete

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

$$\iiiint\limits_{\mathbf{Q}} f(w,x,y,z)\,dw\,dx\,dy\,dz \le \oint_{\boldsymbol{\partial Q}} f'\left(\max\left\{\frac{\|w\|}{|w^2+x^2|};\frac{\|z\|}{|y^2+z^2|};\frac{\|w\oplus z\|}{\|x\oplus y\|}\right\}\right)$$
$$\precapprox \biguplus_{\mathbb{Q}\Subset\bar{\mathbf{Q}}}\left[f^*\left(\frac{\int\mathbb{Q}(t)}{\sqrt{1-t^2}}\right)\right]_{t=\alpha}^{t=\vartheta} - (\Delta+\nu-v)^3 \tag{1}$$

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 $[-1,1]$.

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