The $\mathbb{J}$LaTeX$Math$ Extension

The $\mathbb{J}$LaTeX$Math$ extension is an addition to FOP that can be used to draw LaTeX expressions.

Examples

This is a 12pt block with a formula :

$$\int_0^{+\infty} e^{-x^2}\mathrm{d}x = \frac{\sqrt{\pi}}{2}$$

But you can prefer a red block with a font set to 15pt:

$$\det\begin{bmatrix}\alpha & \beta\\ \gamma & \delta\end{bmatrix} \stackrel{\text{def}}{=} \alpha\times\delta - \gamma\times\beta$$

An other one:

$$\phi_n(\kappa) = \frac{1}{4\pi^2\kappa^2}\int_0^\infty \frac{\sin(\kappa R)}{\kappa R}\frac{\partial}{\partial R}\left[R^2\frac{\partial D_n(R)}{\partial R}\right]dR$$

Another formula with a \mathfrak :

$$\det\begin{bmatrix}a_{11} & a_{12} & \cdots & a_{1n}\\ a_{21} & \ddots & & \vdots\\ \vdots & & \ddots & \vdots\\ a_{n1} & \cdots & \cdots & a_{nn}\end{bmatrix} \stackrel{\text{def}}{=} \sum_{\sigma\in\mathfrak{S}_n}\varepsilon(\sigma)\prod_{k=1}^n a_{k\sigma(k)}$$

But you can prefer a formula in the text $\displaystyle\sum_{n=1}^{+\infty}\frac{1}{n^2} = \frac{\pi^2}{6}$ in \displaystyle or in \textstyle $\textstyle\sum_{n=1}^{+\infty}\frac{1}{n^2} = \frac{\pi^2}{6}$

$$\begin{aligned} A_1 &= N_0(\lambda;\Omega') - \phi(\lambda;\Omega'),\\ A_2 &= \phi(\lambda;\Omega') - \phi(\lambda;\Omega), \end{aligned}$$

and

$$A_3 = \mathcal{N}(\lambda;\omega).$$