Practice

Hellö LaTeX world!

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Shall we call ourselves TeXusers or TeX users?

Français Português Español Føroyskt

My First Practice

Omniotent-ys Lamaper

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Hello LaTeX!

Let $f(x)$ be difined by the formula. $f(x) = 3x^2 + 4x + 3$.

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which is a polynomial of degree 2.

Try to output formulas.

$$+ - \times \div$$

$$> < \geq \leq \neq \approx \equiv$$

$$\cap \cup \in \notin \subset \subseteq$$

$$\subsetneq$$

$$\forall \exists$$

$$\nexists$$

$$\mathbb{R} \quad \mathbb{QNNN}^* \mathbb{N}_+ \mathbb{Z}$$

mathbbN

$$\cdots \vdots \ddots$$

$$\infty \partial \propto$$

$$\sin x \arctan x \tanh x$$

$$\lim_{x \to x_0} f(x) = L$$

$$\max_{a \leq x \leq b} f(x) = M$$

$$1 - \frac{x^2}{2} \sim \cos x$$

$$\sum \quad \prod \quad \sum_i \quad \sum_{i=0}^{N} \quad \frac{\sum_{i=0}^{N} x_i}{\prod_{i=0}^{N} x_i} \quad \frac{\sum\limits_{i=0}^{N} x_i}{\prod\limits_{i=0}^{N} x_i} \quad \int \quad \iint \quad \iiint \quad \oint \quad \int_{\infty}^{0} f(x)dx$$

$$\int_{\infty}^{0} f(x)\,\mathrm{dx} \quad \int\limits_{\infty}^{0} f(x)\,\mathrm{dx}$$

$$\mathbb{R}$$

$$\begin{matrix} a & b & \cdots & c \\ \vdots & \vdots & \ddots & \vdots \\ e & f & \cdots & g \end{matrix} \quad \begin{pmatrix} a & b & \cdots & c \\ \vdots & \vdots & \ddots & \vdots \\ e & f & \cdots & g \end{pmatrix} \quad \begin{bmatrix} a & b & \cdots & c \\ \vdots & \vdots & \ddots & \vdots \\ e & f & \cdots & g \end{bmatrix}$$

$$\begin{bmatrix} a & b \\ c & d \end{bmatrix}$$

Thank you very much!