

My first L^AT_EX document

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Hello **world**, *here* is **my** **first** document!

tiny scriptsize small normalsize large Large LARGE huge Huge

1. number 1

(a) subitem number 1.1

2. number 2

42. the answer

Subscript K_i or E_{el} , superscript x^2 or x^{12} and both x_o^{10} .

$$0 = 3x^3 + 3x^2 - 6x \tag{1}$$

$$= 3(x^3 + x^2 - 2x) \tag{2}$$

$$= 3x(x^2 + x - 2) \tag{3}$$

$$= 3x(x + 2)(x - 1) \tag{4}$$

$$\therefore \tag{5}$$

$$x = 0, -2, 1 \tag{6}$$

$$\tag{7}$$

bmatrix: $\begin{bmatrix} 1 & 2 & 3 \\ a & b & c \end{bmatrix}$ pmatrix: $\begin{pmatrix} 1 & 2 & 3 \\ a & b & c \end{pmatrix}$ vmatrix: $\begin{vmatrix} 1 & 2 & 3 \\ a & b & c \end{vmatrix}$

Some fractions: $\frac{x^2}{x^3} = \frac{1}{x^2}$, an square root: $\sqrt[3]{15}$, an highlighted integral:

$$\int_a^b f(x) \pm \sqrt{50} dx$$

and now a sin: $\text{sen}(\frac{\pi}{2}) = 1$ ou $\text{sen}(\frac{\pi}{2})$

Alguns símbolos: $\forall x, \exists y \in \mathbb{Z} : x \geq y$ and $x \leq y^2$

$\forall z, \nexists y \in R \cap T : (x, y) \subseteq R \cup T$

$\forall \delta, \exists \varepsilon \leq |\delta - x| \rightarrow +\infty \iff \varepsilon > 0$

$\bar{x} \quad \vec{x} \quad x' \quad \neg \quad \preceq \quad \not\preceq \quad \neq \quad \equiv \quad \simeq \quad \gg \quad \ll \quad \sim$

$\lim_{x \rightarrow 0} \cos x = 1$

$$\boxed{\sum_{i=0}^n = \binom{i}{n} a^{n-i} b^i}$$

Dia	Temp. Mín.	Temp. Máx	Resumo
Segunda	22°C	28°C	Dia nublado com diversas pancadas de chuva;
Terça	25°C	32°C	Manhã nublada abrindo o sol à tarde. Pequenos períodos de chuvas esparsas pela manhã;
Quarta	28°C	37°C	Dia de sol com pancadas de chuva ao anoitecer;

LaTeX (manual)

$$x = \frac{-2 \pm \sqrt{2^2 - 4 \cdot 1 \cdot 3}}{2 \cdot 1}$$

