我的第一个LaTeX文档

Dylaaan

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1.1 二级标题

这里是正文.

1.2 二级标题

这里是正文.

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

定理 1.1 (定理名称)**.** 这里是定理的内容.

$$\left(\frac{xdx}{dy} - \frac{ydy}{dx}\right)^2 \ , \ [\vec{F} = m\vec{a}] \ , \ \left|\frac{a}{b}\right| \ \left\|\frac{a}{b}\right\| \ \left\langle\frac{a}{b}\right\rangle \left\{\sqrt{a+\sqrt{a+\sqrt{a}}} \to \infty\right\}$$

! $\int_b^a f'(x)dx = f(b) - f(a)$

$$\underbrace{\frac{1}{4}W_{\mu\nu} \cdot W^{\mu\nu} - \frac{1}{4}B_{\mu\nu}B^{\mu\nu} - \frac{1}{4}G^a_{\mu\nu}G^{\mu\nu}_a}_{\text{kinetic energies and self}-\text{interactions of the gauge bosons}}$$

$$\|x + y\| \geq \big|\|x\| - \|y\|\big|$$

$$\nabla \cdot \mathbf{D} = \rho \text{ and } \nabla \cdot \mathbf{B} = 0$$

$$\nabla \times \mathbf{E} = -\frac{\partial \mathbf{B}}{\partial t} \text{ and } \nabla \times \mathbf{H} = \mathbf{J} + \frac{\partial \mathbf{D}}{\partial t}$$

$$y = \frac{\sum\limits_i w_i y_i}{\sum\limits_i w_i} \quad , i = 1, 2...k$$

$$e = \lim_{n\to\infty} \left(1 + \tfrac{1}{n}\right)^n$$

$$\dot{x}_i = a_i x_{i'} - (d + a_{i0} + a_{i1})x_i + r x_i(f_i - \phi)$$