

# 我的第一个 L<sup>A</sup>T<sub>E</sub>X 文档

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## 1 一级标题

### 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.

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

$$\begin{array}{l} ! \quad \int_b^a f'(x)dx = f(b) - f(a) \qquad \underbrace{\frac{1}{4}W_{\mu\nu} \cdot W^{\mu\nu} - \frac{1}{4}B_{\mu\nu}B^{\mu\nu} - \frac{1}{4}G_{\mu\nu}^a G_a^{\mu\nu}}_{\text{kinetic energies and self-interactions of the gauge bosons}} \\ \qquad \qquad \qquad \|x+y\| \geq \big|\|x\| - \|y\|\big| \qquad \qquad \qquad \nabla \cdot \mathbf{D} = \rho \text{ and } \nabla \cdot \mathbf{B} = 0 \\ \qquad \qquad \qquad y = \frac{\sum_i w_i y_i}{\sum_i w_i} \text{ , } i = 1, 2 \dots k \qquad \qquad \qquad \nabla \times \mathbf{E} = -\frac{\partial \mathbf{B}}{\partial t} \text{ and } \nabla \times \mathbf{H} = \mathbf{J} + \frac{\partial \mathbf{D}}{\partial t} \\ \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad e = \lim_{n \rightarrow \infty} \left(1 + \frac{1}{n}\right)^n \end{array}$$

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