

# Some Mathematical Expressions in LaTeX

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**1**

$$\left. \begin{array}{l} f \text{ 在 } E \text{ 上积分确定} \\ f = g \text{ a.e. 于 } E \end{array} \right\} \Rightarrow \left\{ \begin{array}{l} g \text{ 在 } E \text{ 上积分确定} \\ \int_E g(x)dx = \int_E f(x)dx \end{array} \right.$$

**2**

$$\int_E \lim_{i \rightarrow \infty} f_i(x) dx \leq \lim_{i \rightarrow \infty} \int_E f_i(x) dx$$