$$\sqrt{\frac{2^{n}}{2^{n}}} \neq \sqrt[4]{1+n}$$

$$\frac{2^{k}}{2^{k+2}}$$

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

$$\log_{2} 2^{8} = 8$$

$$\sqrt[3]{e^{x} - \log_{2}x}$$

$$\lim_{n \to \infty} \sum_{k=1}^{n} \frac{1}{k^{2}} = \frac{\pi^{2}}{6}$$

$$\int_{2}^{\infty} \frac{1}{\log_{2}x} dx = \frac{1}{x} \sin x = 1 - \cos^{2}(x)$$

$$\begin{bmatrix} x_{11} & x_{12} & \dots & a_{1K} \\ x_{21} & x_{22} & \dots & a_{2K} \\ \vdots & \vdots & \ddots & \vdots \\ a_{K1} & a_{K1} & \dots & a_{KK} \end{bmatrix} * \begin{bmatrix} x_{1} \\ x_{2} \\ \vdots \\ x_{K} \end{bmatrix} = \begin{bmatrix} b_{1} \\ b_{2} \\ \vdots \\ b_{K} \end{bmatrix}$$

$$(a_{1} = a_{1}(x)) \wedge (a_{2} = a_{2}(x) \wedge \dots \wedge (a_{k} = a_{1} = k(x)) \Rightarrow (d = d(u))$$

$$[x]_{A} = \{y \in U : a(x) = a(y), \forall a \in A\}, where the control object $x \in U$

$$T : [0, 1] \times [0, 1] \rightarrow [0, 1]$$

$$\lim_{x \to \infty} \exp(-x) = 0$$

$$\frac{n!}{k!(n - k)!} = \binom{n}{k}$$

$$P\left(A = 2 \middle| \frac{A^{2}}{B} > 4\right)$$$$

 $S^{C_i}(a) = \frac{(\overline{C}_i^a - \hat{C}_i^a)^2}{Z_{\bar{C}_i^a}^2 + Z_{\hat{C}_i^a}^2}$