

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

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

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

$$\log_2 2^8-8$$

$$\sqrt[3]{e^x-\log_2x}$$

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

$$\int_2^\infty \frac{1}{\log_2 x} dx = \frac{1}{x} \sin x = 1 - \cos^2(x)$$

$$\left[\begin{array}{cccc} a_{11} & a_{12} & \cdots & a_{1K} \\ a_{21} & a_{22} & \cdots & a_{2K} \\ \vdots & \vdots & \ddots & \vdots \\ a_{K1} & a_{K2} & \cdots & a_{KK} \end{array}\right]*\left[\begin{array}{c} x_1 \\ x_2 \\ \vdots \\ x_K \end{array}\right]=\left[\begin{array}{c} b_1 \\ b_2 \\ \vdots \\ b_K \end{array}\right]$$

$$(a_1=a_1(x))\bigwedge (a_2=a+2(x))\bigwedge \ldots \bigwedge (a_k=a_k(x))\Rightarrow (d=d(u))$$

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

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

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

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

$$P\bigg(A=2\mid \frac{A^2}{B}\,4\bigg)$$

$$S^{C_i}(a)=\frac{(\overline{C_i^a})-\hat{C_i^a})^2}{Z_{\overline{C_i^{a^2}}}+Z_{\hat{C_i^{a^2}}}}, a\in A$$