

$$\sqrt{\frac{2^n}{2_n}}\neq \sqrt[\frac{1}{3}]{1+n}$$

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

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

$$\log_2 2^8=8$$

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

$$\lim_{0\rightarrow\infty}\sum_{k=1}^n\frac{1}{k^2}=\frac{\pi^2}{6}$$

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

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

$$(a_1=a_1(x))\wedge (a_2=a_2(x))\wedge \ldots \wedge (a_k=(a_k(x))\implies (d=d(u))$$

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

$$T\left[0,1\right]\times\left[0,1\right]\rightarrow\left[0,1\right]$$

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

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

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

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