

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

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

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

$$\log_2 2^8=8$$

$$\sqrt[3]{e^x-\log_2 x}$$

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

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

$$\left[\begin{array}{cccc} a_11 & a_12 & \ldots & a_1K \\ a_21 & a_22 & \ldots & a_2K \\ \vdots & \vdots & \ddots & \vdots \\ a_K1 & a_K2 & \ldots & a_KK \end{array}\right]*\left[\begin{array}{c} x_1 \\ x_2 \\ \vdots \\ x_K \end{array}\right]=\left[\begin{array}{c} b_1 \\ b_2 \\ \vdots \\ b_K \end{array}\right]$$

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

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

$$T\colon\thinspace [0,1]\times\,[0,1]\rightarrow\,[0,1]$$

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

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

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

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