

cwiczenia 4

Damian Graczyk

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

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

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

$$\log_2 2^8=8$$

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

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

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

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

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

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

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

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

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

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

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