$$\sum_{i=1}^{n} n^2 = \frac{n(n+1)(2n+1)(\sqrt{x^3})}{||x+1|-|x-1||}$$

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

 $\overline{\lim}_{n\to\infty} a_n = \inf_n \sup_{m\ge n} a_m$

$$\mathcal{F}_x = \varinjlim_{U \ni x} \mathcal{F}(U)$$

$$\left| \int_{a}^{b} \frac{1}{2} (1+x)^{-3/2} dx = -\frac{1}{\sqrt{1+x}} \right|_{a}^{b}$$

$$\iiint_{\mathbb{R}^2} e^{-(x^2+y^2)} \, dx \, dy = \pi$$

$$\begin{pmatrix} a_{11} - \lambda & a_{12} & a_{13} \\ a_{21} & a_{22} - \lambda & a_{23} \\ a_{31} & a_{32} & a_{33} - \lambda \end{pmatrix}$$











