

$$M=P\cdot \frac{J}{1-(1+J)^{-N}}$$

$$\frac{-b\pm\sqrt{b^2-4ac}}{2a}$$

$$\left[\begin{array}{ccc}1&0&0\\0&\cos\theta&-\sin\theta\\0&\sin\theta&\cos\theta\end{array}\right]$$

$$v_i'=\sum_{j=1}^n A_{ij}\cdot v_j$$

$$\sigma = \sqrt{\frac{1}{n-1}\sum_{i=1}^n (x_i-\mu)^2}$$

$$f(x)=\sqrt{x}$$

$$F=\frac{Gm_1m_2}{r^2}$$

$$d=\sqrt{(x_1-x_2)^2+(y_1-y_2)^2+(z_1-z_2)^2}$$

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$$\mathbf{F}_{ab}=-G\frac{m_am_b}{|\mathbf{r}_{ab}|^2}\,\hat{\mathbf{r}}_{ab}$$

$$\hat{\mathbf{r}}_{ab}=\frac{\mathbf{r}_b-\mathbf{r}_a}{|\mathbf{r}_b-\mathbf{r}_a|}$$