

$$\int\limits_a^b x\,dx=\left.\frac{x^2}{2}\right|_a^b\tag{1}$$

$$\iiint_V f(x,y,z)\,dV=F\tag{2}$$

$$\frac{dx}{dy}=x'=\lim_{h\rightarrow 0}\frac{f(x+h)-f(x)}{h}\tag{3}$$

$$|x|=\begin{cases} -x, & \text{si } x<0 \\ x, & \text{si } x\geq 0 \end{cases}\tag{4}$$

$$F(x)=A_0+\sum_{n=1}^N\left[A_n\cos\left(\frac{2\pi nx}{P}\right)+B_n\sin\left(\frac{2\pi nx}{P}\right)\right]\tag{5}$$

$$\sum_n \frac{1}{n^s} = \prod_p \frac{1}{1-\frac{1}{p^s}}\tag{6}$$

$$m\ddot{x}+c\dot{x}+kx=F_0\sin(2\pi ft)\tag{7}$$

$$\begin{aligned} f(x) &= x^2+3x+5x^2+8+6x \\ &= 6x^2+9x+8 \\ &= x(6x+9)+8 \end{aligned}\tag{8}$$

$$X=\frac{F_0}{k}\frac{1}{\sqrt{(1-r^2)+(2\zeta r)^2}}\tag{9}$$

$$G_{\mu\nu}\equiv R_{\mu\nu}-\frac{1}{2}Rg_{\mu\nu}=\frac{8\pi G}{c^4}T_{\mu\nu}\tag{10}$$

$$6\mathrm{CO}_2+6\mathrm{H}_2\mathrm{O}\rightarrow\mathrm{C}_6\mathrm{H}_{12}\mathrm{O}_6+6\mathrm{O}_2\tag{11}$$

$$\mathrm{SO}_4^{2-}+\mathrm{Ba}^{2+}\rightarrow\mathrm{BaSO}_4\tag{12}$$

$$\begin{pmatrix} a_{11} & a_{12} & \cdots & a_{1n} \\ a_{21} & a_{22} & \cdots & a_{2n} \\ \vdots & \vdots & \ddots & \vdots \\ a_{n1} & a_{n2} & \cdots & a_{nn} \end{pmatrix} \begin{pmatrix} v_1 \\ v_2 \\ \vdots \\ v_n \end{pmatrix} = \begin{pmatrix} w_1 \\ w_2 \\ \vdots \\ w_n \end{pmatrix}\tag{13}$$

$$\frac{\partial \mathbf{u}}{\partial t} + (\mathbf{u} \cdot \nabla) \mathbf{u} - \nu \nabla^2 (\mathbf{u}) = - \nabla \mathbf{h}\tag{14}$$

$$\alpha A \beta B \gamma \Gamma \delta \Delta \pi \Pi \omega \Omega\tag{15}$$