

International Journal of Physics & Mathematics

$$\begin{aligned}
 \frac{F_e}{R_0} = k \frac{Q}{r^2} \quad Q &= |\varphi_A - \varphi_B| \quad T = \frac{4 \pi n_1 n_2}{(n_2 + n_1)} \\
 m = N_m \cdot m_0 &= \frac{Q}{\lambda e} \quad \frac{M_m}{N_A} \quad E = \frac{E_c}{a} \int_{-a/L}^{+a/L} \frac{S_i}{S_i} dx \\
 t = \ell_0 (1 + d \Delta t) \quad I &= \frac{U_e}{R + R_i} \quad \text{2} \\
 E = mc^2 & \\
 E = \frac{1}{2} \hbar/k/m & \beta = \frac{\Delta I_C \phi_e}{\Delta I_B} \quad \phi = \\
 &= \frac{1}{\mu_0 c^2 L^2} (\vec{E} \times \vec{B}) \quad E_k = \frac{\hbar^2}{8mL^2} h^2 \quad 1 \text{ AU}
 \end{aligned}$$

$$\begin{aligned}
 &= \sqrt{R \frac{M_m}{R_0}} \\
 F &= -y + z = 1 \\
 x + y + z = \lambda & \\
 x + y + \lambda z = \lambda^2 &
 \end{aligned}$$



$$\begin{aligned}
 \frac{d^2z}{dt^2} &= V \sqrt{z^2 + 1} \\
 z &= \tanh t
 \end{aligned}$$

$$\begin{aligned}
 x &= \sqrt{\alpha^2 + \beta^2} \sin \theta \\
 y &= \beta \cos \theta
 \end{aligned}$$

$$\begin{aligned}
 &= e^x \\
 \cos 2x &= \cos^2 x \\
 \Rightarrow \cos^2 x &= 1
 \end{aligned}$$

$$\frac{d}{dx} M$$

$$\begin{aligned}
 \vec{F}_G &= \mu \neq 0 \\
 \frac{1}{R^2} + (x=0, y=1) &
 \end{aligned}$$

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