

$$\begin{aligned} | \langle x, y \rangle | &\leq \|x\| \|y\| \\ \frac{d\vec{v}}{dt} &= \vec{a} & \frac{d\vec{x}}{dt} &= \vec{v} \\ d\vec{v} &= \vec{a} dt & d\vec{x} &= (\vec{v}_0 + \vec{a}t) dt \\ \int d\vec{v} &= \int \vec{a} dt & \frac{d\vec{x}}{dt} &= (\vec{v}_0 + \vec{a}t) \\ \vec{v} &= \vec{v}_0 + \vec{a}t & d\vec{x} &= (\vec{v}_0 + \vec{a}t) dt \\ & & \int d\vec{x} &= (\vec{v}_0 + \vec{a}t) dt \\ & & \vec{x} &= \vec{x}_0 + \vec{v}_0 t + \frac{1}{2} \vec{a} t^2 \end{aligned}$$



$$\begin{aligned} \hat{H}|\psi_n(t)\rangle &= i\hbar \frac{\partial}{\partial t} |\psi_n(t)\rangle \\ \frac{1}{c^2} \frac{\partial^2 \phi_n}{\partial t^2} - \nabla^2 \phi_n + \left(\frac{mc}{\hbar}\right)^2 \phi_n &= 0 \\ \hbar \frac{\partial}{\partial t} S &= S / \hbar \frac{\partial}{\partial t} S = p_i o s, i=1, \dots, k. \\ f(Q_i) &= \sum_{d_i=1}^{\infty} \frac{(2d_i-1)!}{(d_i!)^2} Q_i^{d_i} \\ d(x, z) &\leq d(x, y) + d(y, z) \end{aligned}$$

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