



$\omega = 2\pi\nu$

$\lambda = \frac{2\pi}{k}$

$\sum F_y = may$

$= F_{ay} + F_y$

$k_F = \frac{mg}{\Delta y}$

F_{ay}

F_y

ϕ

\vec{v}

$y = A \sin(2\pi \frac{x}{\lambda} + \delta)$

$y = A \sin(kx - \omega t)$

$v = k\omega = \frac{2\pi}{\lambda} \nu$

$\Delta P = \epsilon \sigma A (T^4 - T_0^4)$

$\mu = F \sin \theta = F_r \sin \theta = F \sin \theta$

F_u

F_{ay}

θ

$\frac{\lambda_1}{AB}$

h

$v^2 = 2g \sin \theta \Delta x$

$m \vec{v}$

$(\frac{v_0}{c})^2$