$s = vt$

$a = \frac{v-v_0}{t}$

$v = v_0 + at$

$s = v_0 t + \frac{at^2}{2}$

$a = \frac{v^2}{R}$

$\omega = \frac{2\pi}{T} = 2\pi\nu$

$v = \omega R$

$m\vec{a} = \vec{F}$

$F = mg \qquad F = G\frac{m_1 m_2}{R^2}$

$v_{\text{спут}} = \sqrt{\frac{GM}{R+h}}$

$F = -kx \qquad F_{\text{тр}} = mN$

$\vec{p} = m\vec{v}$

$A = F \cdot s \cdot cos\alpha = F \cdot s$

$N = F \cdot v \cdot cos\alpha = F \cdot v$

$E_k = \frac{mv^2}{2}$

$E_p = mgh;\ E_p = \frac{kx^2}{2}$

$A = \Delta E_k = -\Delta E_p$

$\frac{mv^2}{2} + mgh = const$

$M = \pm Fd$

$\nu = \frac{N}{N_A} = \frac{m}{M}$

$m = m_0 N$

$n = \frac{N}{V}$

$p = \frac{2}{3} n\bar{E}$

$T = t + 273$

$\bar{E} = \frac{3}{2} kT$

$p = nkT$

$\bar{v} = \sqrt{\frac{3kT}{m_0}}$

$pV = \frac{m}{M} RT$

$\varphi = \frac{p}{p_0} \cdot 100\%$

$U = \frac{3}{2}\frac{m}{M} RT$

$A = -A' = -p\Delta V$

$Q = cm\Delta t$

$Q = rm; Q = \lambda m$

$\Delta U = A + Q$

$\eta = \frac{A\prime}{|Q_1|} = \frac{|Q_1| - |Q_2|}{|Q_1|}$

$\eta_{max} = \frac{T_1 - T_2}{T_1}$

$Q = \Delta U + A'$

$F = k\frac{|q_1| \cdot |q_2|}{r^2}$

$\vec{F} = q\vec{E}$

$W_p = qEd$

$\varphi = \frac{W_p}{q} = Ed$

$U = \varphi_1 - \varphi_2 = \frac{A}{q}$

$E = \frac{U}{\Delta d}$

$C = \frac{q}{U} = \varepsilon\varepsilon_0 \frac{S}{d}$

$W_p = \frac{q^2}{2C} = \frac{CU^2}{2}$

$I = \frac{\Delta q}{\Delta t} = q_0 nvS$

$I = \frac{U}{R}$

$R = R_1 + R_2$ и $\frac{1}{R} = \frac{1}{R_1} + \frac{1}{R_2}$

$A = IU\Delta t$

$Q = I^2 RT$

$P = IU = I^2 R$

$\varepsilon = \frac{A_{\text{ст}}}{q}$

$I = \frac{\varepsilon}{R+r}$

$R = \rho\frac{l}{S}$

$\rho = \rho_0(1 + \alpha t)$

$m = kI\Delta t, k = \frac{1}{eN_A} \cdot \frac{M}{n}$