

The following formulae may be of use to you:

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| $F = ma$ | $L = mvr_{\perp}$ | $T = 2\pi\sqrt{\frac{l}{g}}$ | $f_o = \frac{1}{2\pi\sqrt{LC}}$ |
| $F = kx$ | $d = r\theta$ | $T = 2\pi\sqrt{\frac{m}{k}}$ | $d \sin \theta = (n - \frac{1}{2})\lambda$ |
| $E_p = \frac{1}{2}kx^2$ | $\omega_f = \omega_i + \alpha t$ | $y = A \cos \omega t$ | $d \sin \theta = n\lambda$ |
| $F = -ky$ | $\omega_f^2 = \omega_i^2 + 2\alpha\theta$ | $v = -A\omega \sin \omega t$ | $n\lambda = \frac{dx}{L}$ |
| $F\Delta t = m\Delta v$ | $\theta = \frac{(\omega_i + \omega_f)t}{2}$ | $a = -A\omega^2 \cos \omega t$ | $f_b = f_1 - f_2 $ |
| $p = mv$ | $\theta = \omega_i t + \frac{1}{2}\alpha t^2$ | $y = A \sin \omega t$ | $f_1 = f \frac{v_w}{v_w \pm v_s}$ |
| $\Delta p = Ft$ | $E_{k(\text{rot})} = \frac{1}{2}I\omega^2$ | $v = A\omega \cos \omega t$ | $v = f\lambda$ |
| $W = Fd$ | $a = -\omega^2 y$ | $a = -A\omega^2 \sin \omega t$ | $d = \frac{1}{N}$ |
| $v^2 = v_i^2 + 2ad$ | $P = VI$ | $E = \frac{1}{2}QV$ | $E = hf$ |
| $d = \frac{(v_i + v)t}{2}$ | $\phi = BA$ | $V = \varepsilon - IR$ | $hf = \phi + E_k$ |
| $d = v_i t + \frac{1}{2}at^2$ | $\Delta E = Vq$ | $C = \frac{\varepsilon_o A}{d}$ | $E = mc^2$ |
| $v = v_i + at$ | $Q = VC$ | $V = Ed$ | $E_n = -\frac{hcR}{n^2}$ |
| $F_g = \frac{GMm}{r^2}$ | $\sum I = 0$ | $R_{\text{TOT}} = R_1 + R_2 + \dots$ | $L = \frac{nh}{2\pi}$ |
| $F_c = \frac{mv^2}{r}$ | $C = \frac{\varepsilon_o \varepsilon_r A}{d}$ | $\frac{1}{R_{\text{TOT}}} = \frac{1}{R_1} + \frac{1}{R_2} \dots$ | $\Delta E = E_1 - E_2 $ |
| $a = \frac{v^2}{r}$ | $C_{\text{TOT}} = C_1 + C_2 + \dots$ | $E = \frac{1}{2}LI^2$ | $\frac{1}{\lambda} = R \left(\frac{1}{S^2} - \frac{1}{L^2} \right)$ |
| $v = \frac{2\pi r}{T}$ | $\varepsilon = -\frac{\Delta\phi}{\Delta t}$ | $\sum V = 0$ | |
| $f = \frac{1}{T}$ | $\frac{1}{C_{\text{TOT}}} = \frac{1}{C_1} + \frac{1}{C_2} + \frac{1}{C_3} \dots$ | $\tau = RC$ | |
| $a = r\alpha$ | $\varepsilon = -L \frac{\Delta I}{\Delta t}$ | $V = V_{\text{max}} \sin \omega t$ | |
| $v = r\omega$ | $\tau = \frac{L}{R}$ | $I = I_{\text{max}} \sin \omega t$ | |
| $\omega = \frac{\Delta\theta}{\Delta t}$ | $Z = \sqrt{R^2 + (X_L - X_C)^2}$ | $V = Blv$ | |
| $\alpha = \frac{\Delta\omega}{\Delta t}$ | $\varepsilon = BAN\omega \sin \omega t$ | $I_{\text{max}} = \sqrt{2} I_{\text{rms}}$ | |
| $\omega = 2\pi f$ | $X_C = \frac{1}{\omega C}$ | $V_{\text{max}} = \sqrt{2} V_{\text{rms}}$ | |
| $\tau = l\alpha$ | $X_L = \omega L$ | $\frac{N_p}{N_s} = \frac{V_p}{V_s}$ | |
| $L = l\omega$ | $V = IZ$ | | |
| $\tau = Fr$ | | | |