

The Newtonian World - Data Sheet

$$F = \frac{\Delta p}{\Delta t}$$

$$v = \frac{2\pi r}{T}$$

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

$$F = \frac{mv^2}{r}$$

$$F = -\frac{G M m}{r^2}$$

$$g = \frac{F}{m}$$

$$g = -\frac{G M}{r^2}$$

$$T^2 = \left(\frac{4\pi^2}{GM}\right)r^3$$

$$f = \frac{1}{T}$$

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

$$a = -(2\pi f)^2 x$$

$$x = A \cos(2\pi ft)$$

$$v_{\max} = (2\pi f) A$$

$$E = mc\Delta\theta$$

$$pV = NkT$$

$$pV = nRT$$

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