

Rotational motion Equations

$$\Delta\theta = \theta_2 - \theta_1.$$

$$\bar{\omega} = \frac{\theta_2 - \theta_1}{t_2 - t_1} = \frac{\Delta\theta}{\Delta t}.$$

$$\alpha = \frac{\Delta\omega}{\Delta t} = \frac{\omega_2 - \omega_1}{t_2 - t_1}$$

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

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

$$\omega = 2\pi f$$

Angular displacement :

Period(T) is

Angular velocity is

The frequency is

Angular acceleration is