

Fret # 0 -> acceleration Tret 70 -> angular acceleration Analogs between linear a angular kinematics Position x -> Angle O Displacement DX - Angular Displacement DO = OF -OU Units for angles degrees (360° to turn around one) revolutions I rev 211 rad = 1 rev = 360° radians arc leigth e.g. if s0 = 211 rad = circumference DO = nral Velocity $V = \frac{\Delta X}{\Delta t}$ \longrightarrow angular velocity $\omega = \frac{\Delta \theta}{\Delta t}$ revs x 2Trad = rad s f x 200 = W "frequency of rotation" = "how of ten object spins around per second" $\frac{r_{ext}}{s} = \frac{1}{s} = \frac{1}{2}$ $T = \frac{1}{f}$: period of notation "number of seconds per revolution"

What if Thet + 0?