

$$T_1 < T_2$$

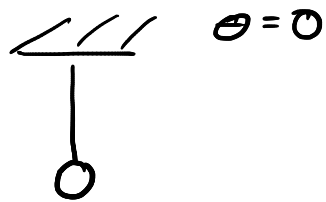
$$\frac{1}{T_1} = f_1 > f_2 = \frac{1}{T_2}$$

$$\cos \omega_1 t$$

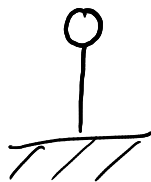
$$\omega_1 = 2\pi f_1$$

$$\omega_2 = 2\pi f_2$$

$$T_1 + \frac{1}{8} \approx T_2$$

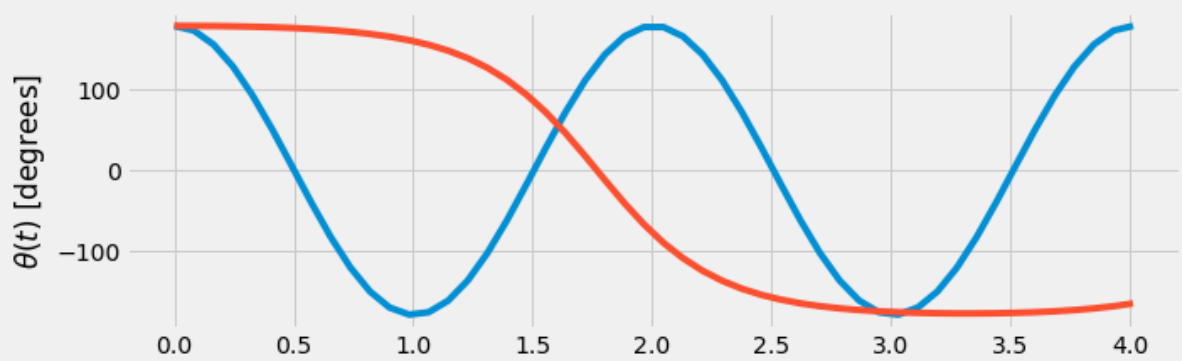


$$\begin{array}{c} \uparrow T \\ \circ \\ \downarrow mg \end{array} = \overline{0}$$

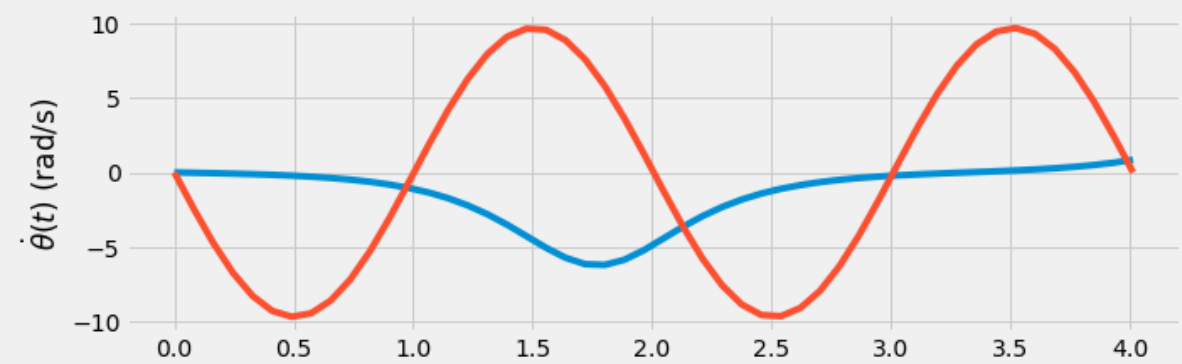


$$\begin{array}{c} \downarrow mg \\ \circ \\ \downarrow T \end{array} = \overline{0}$$

position



velocity



accel

