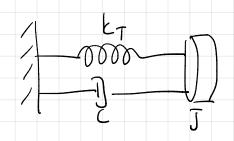
Damping Constant Calculation of SDOF Torsional System



$$\frac{\dot{\Theta}(t)}{J} + \frac{c}{J} \frac{\dot{\Theta}(t)}{J} + \frac{k}{J} \frac{\dot{\Theta}(t)}{J} = 0$$

$$\ddot{\theta}(+)+22\omega_{n}\dot{\theta}(+)+\omega_{n}^{2}\theta(+)$$

$$\frac{C}{J} = 22 \omega_{\Lambda}$$

$$\frac{L}{J} = \omega_{\Lambda}^{2}$$

$$1-S=\ln\left|\frac{A_1}{A_2}\right|$$