$$\frac{M_{o} \text{ for } G}{\text{Using Parameters from Config. 1}} = \frac{J_{m}}{J_{m}} = J_{a} + J_{L} \left(\frac{25}{250}\right)^{2} = 0.03 + \left(\frac{25}{250}\right)^{2} = 0.03$$

$$\frac{D_{m}}{D_{m}} = \frac{J_{a}}{D_{m}} + \frac{J_{L}}{D_{m}} \left(\frac{25}{250}\right)^{2} = 0.03$$

$$\frac{D_{m}}{D_{m}} = \frac{J_{a}}{D_{m}} + \frac{J_{L}}{D_{m}} \left(\frac{25}{250}\right)^{2} = 0.03$$

$$\frac{D_{m}}{D_{m}} = \frac{J_{a}}{D_{m}} + \frac{J_{L}}{D_{m}} \left(\frac{25}{250}\right)^{2} = 0.03$$

$$\frac{D_{m}}{D_{m}} = \frac{J_{m}}{D_{m}} + \frac{J_{L}}{D_{m}} + \frac{J_{L}}{D_{m}} \left(\frac{25}{250}\right)^{2} = 0.03$$

$$\frac{D_{m}}{D_{m}} = \frac{J_{m}}{D_{m}} + \frac{J_{L}}{D_{m}} + \frac{J_{L}}{D_{m}} \left(\frac{25}{250}\right)^{2} = 0.03$$

$$\frac{D_{m}}{D_{m}} = \frac{J_{m}}{D_{m}} + \frac{J_{L}}{D_{m}} + \frac{J_{L}}{D_{m}} + \frac{J_{L}}{D_{m}} + \frac{J_{L}}{D_{m}} + \frac{J_{L}}{D_{m}} + \frac{J_{L}}{D_$$

$$\frac{\Theta_{o}(S)}{E_{a}(S)} = 0.1 \quad \frac{\Theta_{m}(S)}{E_{a}(S)} = \frac{S}{24s^{2} + 41s} \qquad \frac{\Theta_{o}(S)}{E_{a}(S)} = \frac{5}{24s^{2} + 41s}$$

$$P_{cr} = 490 \text{ ms} = 0.49 \text{ s} \qquad D_{m} = 0.02 \quad N-m \text{ s/rad}$$