$$q = qs$$

$$Q = \frac{Z_{0}(s)}{S} - \frac{Z_{0}(s)}{S} - \frac{Z_{0}(s)}{S} - \frac{Z_{0}(s)}{S} + \frac{Z_{0}($$

$$\begin{aligned} & \{(r = q_{3} - q)\} \\ & (\left[\frac{3}{3}(s)err - \frac{f_{meas}}{s}\right] C_{f} - f_{meas}] A_{ctustr}) T_{actual} = f_{int} \\ & f_{int} = \frac{k_{1}}{s} \dot{q} \\ & Z_{a}(s) = k_{2} t \frac{d_{1}}{s} s^{7} \\ & f_{int} = \left(\frac{k_{1}}{s} + b_{1}\right) \dot{q} \\ & C_{f}(s) = f_{7} \frac{b_{3}7}{s+7} \\ & A_{ctustr} = \frac{1}{J_{m3} + b_{m}} T_{actual} = \frac{k_{1}}{s} + b_{1} \\ & S_{ct} = \left((-\frac{2}{3}) \frac{d_{1}}{s} - \frac{k_{1}}{s} \frac{d_{1}}{s}\right) C_{f} - \frac{k_{1}}{s} \frac{d_{1}}{s} \frac{1}{J_{ps} + b_{m}}\right) \left(\frac{k_{1}}{s} + b_{1}\right) \\ & = \left(-\frac{2}{3} \frac{d_{1}}{s} - \frac{k_{1}}{s} \frac{d_{1}}{s}\right) C_{f} - \frac{k_{1}}{s} \frac{d_{1}}{s} \frac{1}{J_{ps} + b_{m}}\right) \left(\frac{k_{1}}{s} + b_{1}\right) \\ & = \frac{1}{2} \left(-\frac{2}{3} \frac{c_{1}}{s} - \frac{k_{1}}{s} \frac{d_{1}}{s}\right) \left(\frac{k_{1}}{s} + b_{2}\right) \\ & = \frac{f_{int}}{s} = \frac{1}{2} \left(-\frac{k_{1}}{s} + \frac{k_{1}}{s} \left(\frac{c_{1}}{s}\right)\right) \left(\frac{k_{1}}{s} + b_{2}\right) \\ & = \frac{f_{int}}{s} = \frac{1}{2} \left(-\frac{k_{1}}{s} + \frac{k_{1}}{s}\right) \left(\frac{k_{2}}{s} + \frac{k_{1}}{s}\right) \left(\frac{k_{2}}{s} + \frac{k_{1}}{s}\right) \left(\frac{k_{2}}{s} + \frac{k_{2}}{s}\right) \left(\frac{k_{$$

Case 1.2
$$\frac{Case 1.2}{b_m \rightarrow 0}$$

$$\frac{Case 2}{b_m \rightarrow 0}$$

$$\frac{Coxe 2.2}{b_m \rightarrow 0}$$

$$\frac{\text{case 0}}{b_{m} \rightarrow 0}$$

$$\frac{\text{case 3}}{D \Rightarrow 0} \quad \text{d} \rightarrow 0$$

$$\frac{\cos 3.1}{b_{m} \rightarrow 0}$$

$$\frac{b_{m} + 50}{b_{m} + 50} = \frac{(k_{4} + b_{5})}{(k_{4}(s+7) + k_{4}s^{2})(p(s+7) + 0s^{2})} + k_{5}(s+7)^{2}$$

$$= \frac{F_{m}}{-q} = \frac{(k_{4} + b_{5})}{\int_{m} s^{2} + b_{m}s^{2}} \cdot \frac{(k_{4}(s+7) + k_{4}s^{2})(p(s+7) + 0s^{2})}{(s+7)^{2}}$$