DEPARTMENT OF MECHANICAL ENGINEERING





Industrial Servo

satisfy the bending and mass conditions :









$$egin{split} & \mathcal{L}_{ ext{net}} = -mg\cos(heta_1)\left(L_{ ext{gap}} - rac{L_{ ext{oys}}}{2}
ight) - mg\sin(heta_1) \cdot \left(H_{ ext{oyster}} - H_{ ext{center}}
ight) + MN_2 \cdot L_{ ext{gap}} \end{split}$$





Pos. X (in.)	Pos. Y (in.)	Angle (°)	Video Time (s)	Real time steps (s)	Real time (s)	Angular velocity (deg/s^2)
9.19	9.19	45	5.62	0.021562 5	0.05375	1263.157
11.25	6.5	60	6	0.11875	0.065625	1116.279