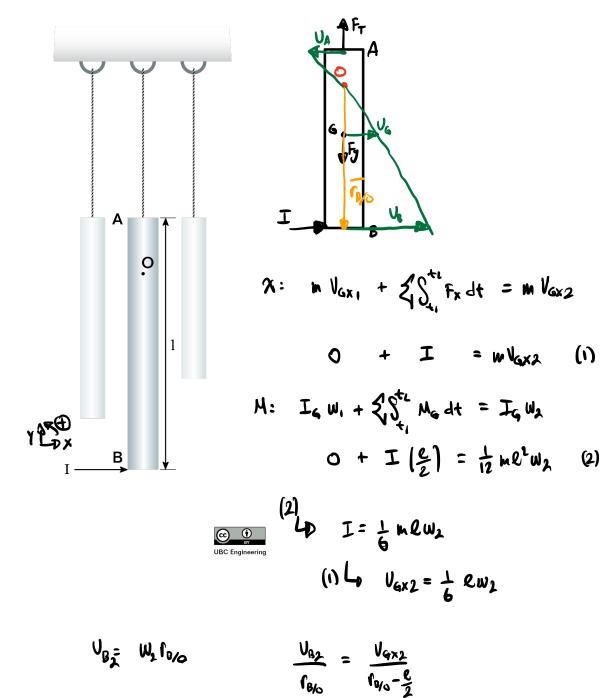
A windchime consists of several slender rods, each suspended on one end by a rope and each with mass m. Consider a singular rod for this problem. As the wind blows, the rod is subjected to an impulse I at its bottom. Determine the vertical location of point O in which the rod appears to rotate.



$$\frac{u_1 v_{00}}{f_{8/0}} = \frac{\frac{1}{6} e_{u_1}}{f_{8/0} - \frac{1}{6} e + \frac{2}{2}}$$

$$v_{8/0} = \frac{1}{6} e + \frac{2}{2}$$

$$v_{8/0} = \frac{3}{2} e$$

$$\Upsilon_{R/o} = \frac{3}{2} \ell$$