Therefore,

Thus,

$$I_i = (50 \text{ kg})(0.8\text{m})^2$$

$$U_i = 2 \text{ rail/s}$$

$$V_i = 2 \text{ rail/s}$$
If $i = (50 \text{ kg})(0.2 \text{ m})^2$

$$V_i = 2 \text{ rail/s}$$
Is no external force, and by the appellar manuscription
$$\overline{Z} = \frac{11}{45}$$

$$I_i = (50 \text{ kg})(0.8\text{m})^2$$

$$W_i = 2 \text{ rad/s}$$
is no external force, and by the

There is no external force, and by the argular momentum of inertia,
$$\frac{d\vec{L}}{dt} = 0 \iff \vec{L}_f = \vec{L}_i$$

$$\vec{L}_{i} = \vec{L}_{i} w_{i} = (50 \text{ kg})(0.8 \text{m})^{2} \cdot (2 \text{ rm/s})$$

$$F_{\delta} = F_{\delta} u_{\delta} = (50 \text{ kg})(0.2 \text{ m})^{2} \cdot (\text{x rad/s})$$

$$\times \text{ rad/s} = \frac{(0.8 \text{ m})^{2}(2 \text{ rad/s})}{(0.2 \text{ m})^{2}} = 32 \text{ rad/s}.$$

$$(0.2m)^2$$
 $W_f = 32 \text{ rad/s}$