*Example:*

$I = 2000 \text{ lbm} = 62.16 \text{ lbf}\cdot\text{s}^2/\text{ft}$

$t = 60.0 \text{ s}$

$v_{\text{init}} = 9.2 \text{ mph} = 13.5 \text{ ft/s}$

$v_{\text{final}} = 10.0 \text{ mph} = 14.7 \text{ ft/s}$

$$FC_{\text{error}} = \frac{62.16}{2 \cdot 60.00} \cdot \left(13.5^2 - 14.7^2\right)$$

$FC_{\text{error}} = -16.5 \text{ ft}\cdot\text{lbf/s} = -0.031 \text{ hp}$