

IDAHO FALLS ID 83401-1647

$$A_{\text{eff}} = \frac{1}{2} \rho_0 \int_0^L \left(\frac{\partial \psi}{\partial t} \right)^2 dt + \frac{1}{2} \rho_0 \int_0^L \left(\frac{\partial \psi}{\partial x} \right)^2 dx + \frac{1}{2} \rho_0 \int_0^L \left(\frac{\partial \psi}{\partial y} \right)^2 dy + \frac{1}{2} \rho_0 \int_0^L \left(\frac{\partial \psi}{\partial z} \right)^2 dz$$