

Physics 10L Final Formula

$$IMA = \frac{L}{H} = \frac{1}{\sin \theta} \quad AMA = \frac{F_R}{F_E} \quad W_A - W_L = F_B \quad F_B = (\rho V_{displaced})g$$

$$2(L_2 - L_1) = \lambda \quad V_{sound} = f\lambda \quad \lambda_{measured} = \frac{d \sin \theta}{n} \quad (C_2)_{measured} = \frac{M_1 C_1 (T_f - T_1)}{M_2 (T_2 - T_f)}$$

$$\alpha = \frac{\Delta L}{L_0 \Delta T} \quad \Delta L = \frac{\# \text{ of degrees rotated}}{360^\circ} \bullet (\pi D) \quad \frac{V_1}{T_1} = \frac{V_2}{T_2}$$

$$(V_2)_{measured} = V_1 - \Delta V \quad (V_2)_{cal} = \frac{V_1}{T_1} \bullet T_2 \quad K \left(\frac{Cal}{Joules} \right) = \frac{\Delta T (M_{water}) C_{water}}{IVt}$$