

PRINCIPLES II - EQUATIONS I

$$E = \sigma T^4 \quad \lambda_m = \frac{a}{T}$$

$$P = \rho gh \quad P = \rho RT \quad P = P_o e^{-\frac{gh}{RT}}$$

$$\Delta H = Cm\Delta T \quad \Delta H = C_p \Delta T - \alpha \Delta p$$

$$a = -\alpha \frac{\Delta p}{\Delta n} \quad a = -g \frac{\Delta h}{\Delta n}$$

$$F_c = 2(\Omega \sin \phi)v = fv \quad v_g = \left| \frac{\alpha \Delta P}{f \Delta n} \right| \quad v_g = \left| \frac{g BC}{f AC} \right|$$

$$v_G = \frac{2v_g}{1 + \sqrt{\frac{1 + 4v_g}{fr}}} \quad v_T = \left| \frac{g \Delta T}{fT \Delta n_T} \right| \Delta h$$

$$e = \rho_w R_w T \quad L = 596 - 0.56T$$