

A partial list of formulas used in Physics First

$$R = \frac{\rho L}{A}$$

$$V = IR$$

$$\frac{1}{R_p} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3}$$

$$P = VI$$

$$E = P \Delta t$$

$$\Delta x = x_f - x_i$$

$$\Delta t = t_f - t_i$$

$$d = |x_f - x_i|$$

$$x_f = v(\Delta t) + x_i$$

$$v = \frac{\Delta x}{\Delta t}$$

$$v_f = v_i + a\Delta t$$

$$v_f^2 - v_i^2 = 2a\Delta x$$

$$F = mg$$

$$y_f = y_0 + v_0(\Delta t) + \frac{1}{2}a(\Delta t)^2$$