

$$d_i = \frac{\lambda}{4\pi \left(10^{\frac{P_r - P_t - G_t - G_r}{20}}\right)}$$

$$(2x_1 - 2x_0 \quad 2y_1 - 2y_0) = (d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2)$$

If  $(x_1 - x_0) \neq 0$  and  $(y_1 - y_0) \neq 0$ ,

$$2(x_1 - x_0)x + 2(y_1 - y_0)y = d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2$$

$$2(y_1 - y_0)y = d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2 - 2(x_1 - x_0)x$$

$$y = \frac{d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2 - 2(x_1 - x_0)x}{2(y_1 - y_0)}$$

$$y = \frac{d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2}{2(y_1 - y_0)} - \frac{2(x_1 - x_0)x}{2(y_1 - y_0)}$$

$$y = \frac{d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2}{2(y_1 - y_0)} - \frac{(x_1 - x_0)x}{(y_1 - y_0)}$$

$$y = \frac{d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2}{2(y_1 - y_0)} - \frac{x_1 - x_0}{y_1 - y_0}x$$

$$g = \frac{y_1 - y_0}{x_1 - x_0}$$

$$y - y_0 = g(x - x_0)$$

$$y = \left(\frac{y_1 - y_0}{x_1 - x_0}\right)(x - x_0) + y_0$$

$$y = \frac{y_1 - y_0}{x_1 - x_0}x - \frac{y_1 - y_0}{x_1 - x_0}x_0 + y_0$$

$$\frac{d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2}{2(y_1 - y_0)} - \frac{x_1 - x_0}{y_1 - y_0}x = \frac{y_1 - y_0}{x_1 - x_0}x - \frac{y_1 - y_0}{x_1 - x_0}x_0 + y_0$$

$$\frac{d_0^2 - d_1^2 - x_0^2 + x_1^2 - y_0^2 + y_1^2}{2(y_1 - y_0)} + \frac{y_1 - y_0}{x_1 - x_0}x_0 - y_0 = \frac{y_1 - y_0}{x_1 - x_0}x + \frac{x_1 - x_0}{y_1 - y_0}x$$