

Schlick's approx.

$$R_0 = \left(\frac{n_1 - n_2}{n_1 + n_2} \right)^2$$

$$R = R_0 + (1 - R_0)(1 - \cos \theta_i)^5$$

$\alpha = \text{opacity}$ C_0 C_r C_t

$$C = \alpha C_0 + (1 - \alpha)(R C_r + (1 - R) C_t)$$

approx of Fresnel eq.