

O7REFNKS

The reflectance R is plotted for normal incidence for fixed n depending on K .

$$i := \sqrt{-1}$$

$$\theta := 0 \quad n1 := 1 \quad n2 := 10 \quad K := .001, .01.. 100$$

$$z(K) := \frac{\left(\frac{n2 - i \cdot K}{n1}\right) \cdot \cos\left(2 \cdot \frac{\pi}{360} \cdot \theta\right) - \sqrt{1 - \left[\left(\frac{n1}{n2 - i \cdot K}\right) \cdot \sin\left(2 \cdot \frac{\pi}{360} \cdot \theta\right)\right]^2}}{\frac{n2 - i \cdot K}{n1} \cdot \cos\left(2 \cdot \frac{\pi}{360} \cdot \theta\right) + \sqrt{1 - \left[\left(\frac{n1}{n2 - i \cdot K}\right) \cdot \sin\left(2 \cdot \frac{\pi}{360} \cdot \theta\right)\right]^2}}$$

$$R(K) := (z(K) \cdot \overline{z(K)})$$

