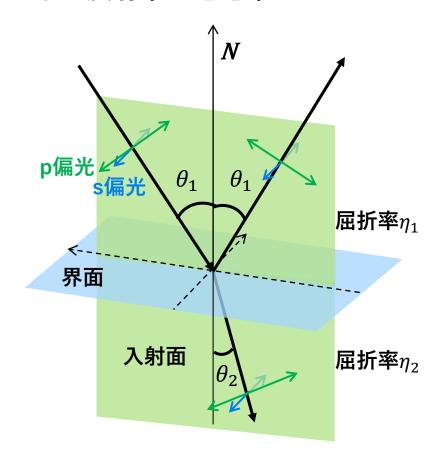
フレネルの式

フレネル反射率・透過率



s偏光(入射面と垂直)反射率 p偏光(入射面と平行)反射率

$$R^{\perp} = \left(rac{\eta_1\cos heta_1 - \eta_2\cos heta_2}{\eta_1\cos heta_1 + \eta_2\cos heta_2}
ight)^2, R^{\parallel} = \left(rac{\eta_1\cos heta_2 - \eta_2\cos heta_1}{\eta_1\cos heta_2 + \eta_2\cos heta_1}
ight)^2$$

s偏光(入射面と垂直)透過率

p偏光(入射面と平行)透過率

屈折率
$$\eta_2$$

$$T^\perp = \frac{\eta_2\cos\theta_2}{\eta_1\cos\theta_1} \left(\frac{2\eta_1\cos\theta_1}{\eta_1\cos\theta_1 + \eta_2\cos\theta_2}\right)^2, T^\parallel = \frac{\eta_2\cos\theta_2}{\eta_1\cos\theta_1} \left(\frac{2\eta_1\cos\theta_1}{\eta_1\cos\theta_2 + \eta_2\cos\theta_1}\right)^2$$