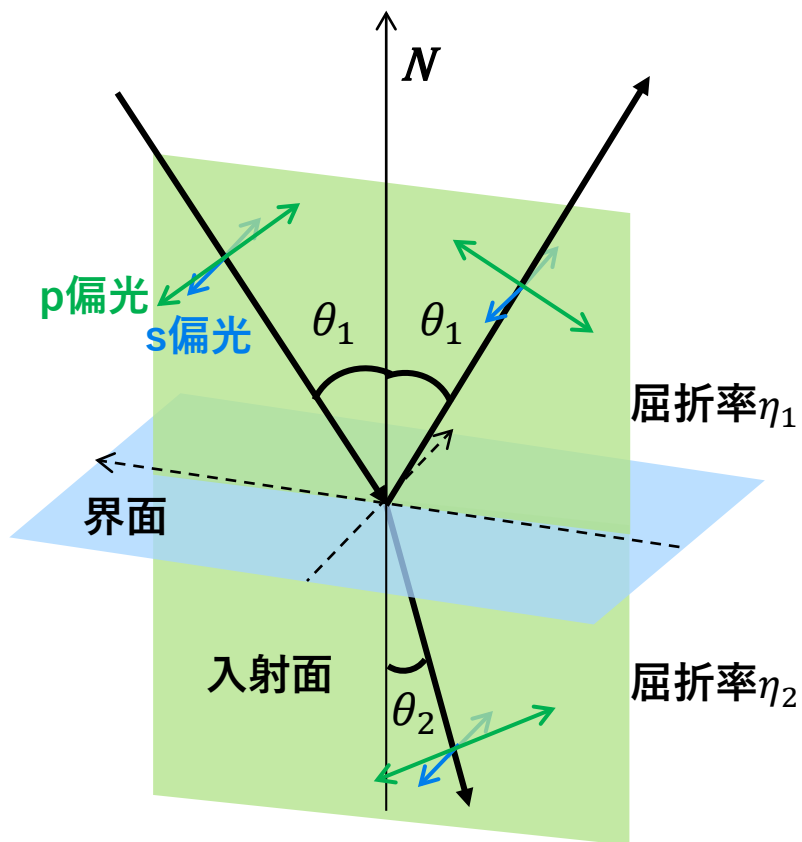# フレネルの式

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

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

s偏光（入射面と垂直）透過率　　　　p偏光（入射面と平行）透過率

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