

Orientation of Radiation:

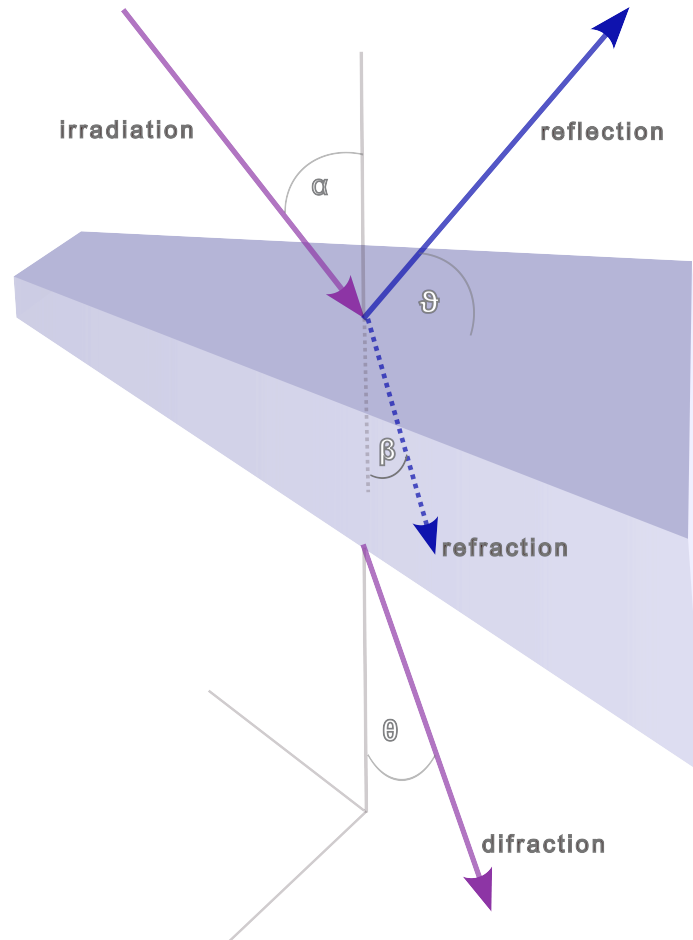


Figure 1: Radiation

ϑ = reflection angle for redirected radiation $A_{r\parallel}$ parallel to α from matter ¹

θ = diffraction angle for redirected radiation $A_{r\perp}$ orthogonal to α from matter ²

$\varpi = \beta_1 + \beta_2$ = angle of converging body surfaces (point tip of prismic medium), spread angle of prism

¹Abstrahlwinkel zur Grenzfläche des Mediums

²Beugungswinkel durch Objekt ins Vakuum

ς = deviation angle of redirected ray beam after refraction (transmission) and diffraction

u_g = aperture angle (acceptance) from sender source (at distance g)

w_b = inclination angle at observer receiver (at distance b)

ε = visual angle from observer/receiver (of eye)