Table of contents

Periodicity (Cyclicity), cyclicity repeats within lim (rotational, closed loop inside restricted band), transcendency passes only once (tangential, linear infinit):

$$2\pi = k\lambda = \mathcal{T}\omega = \frac{\omega}{\nu} = k\frac{c}{\nu} = \frac{\Delta\varphi}{\Delta s}\frac{c}{\nu} = \frac{\Delta\varphi}{n} = \frac{u}{r} = \frac{h}{\hbar} = 2\frac{\mathcal{M}_B}{\mathcal{L}_B}$$
$$= \left(\frac{\pi}{2} - \alpha\right) + \alpha + \left(\frac{\pi}{2} - \beta\right) + \beta + \pi$$
$$= 360° = 12 \; hours \; (half \; day) = 12 \; music \; notes \; (one \; octave)$$

where:
$\alpha :=$ irradiaton angle, incoming radiation direction, from source/sender (Einstrahlungswinkel zur Normalen auf Grenzfläche des Mediums)
$\beta :=$ refraction angle for bented transmitted radiation A_t \text{orientation in matter (Durchstrahlungsswinkel zur Normalen aus Grenzfläche ins Medium)
$\mathcal{M}_B :=$ Blackbody Radiant Exitance
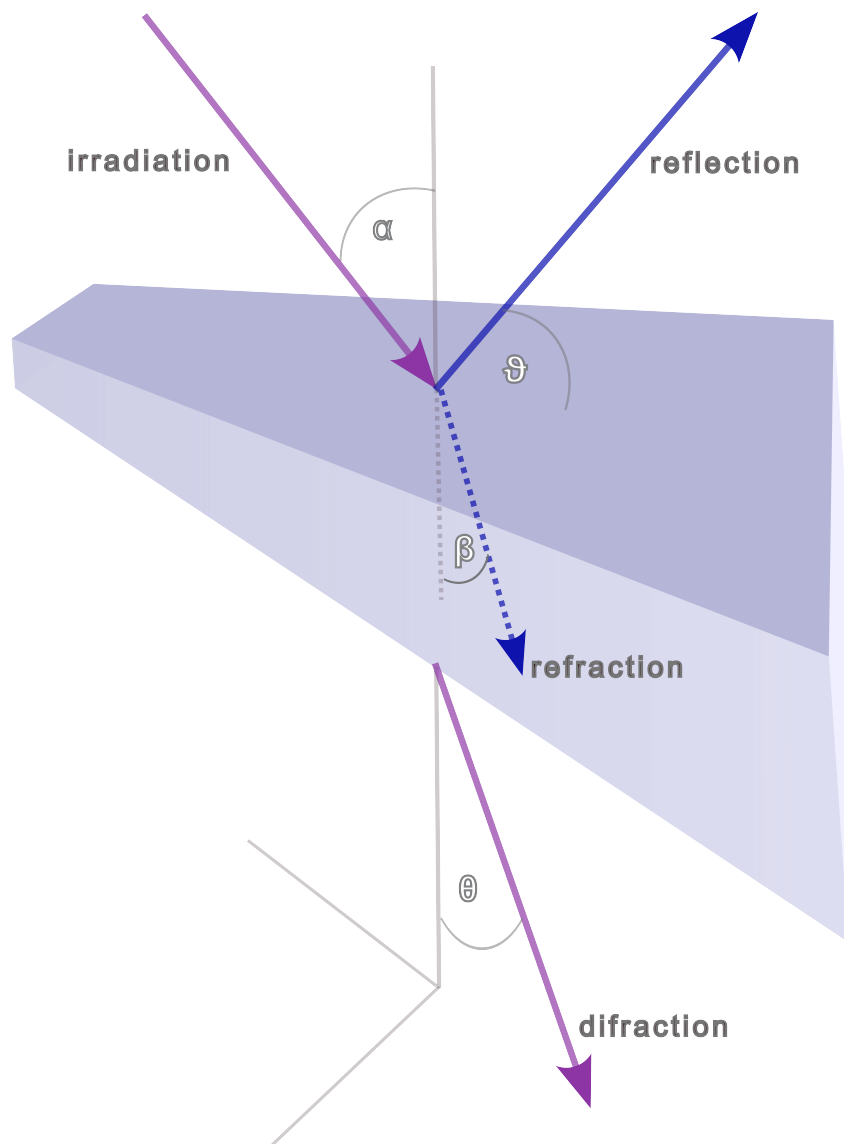$\mathcal{L}_B :=$ Blackbody Radiance

Figure 1: Radiation