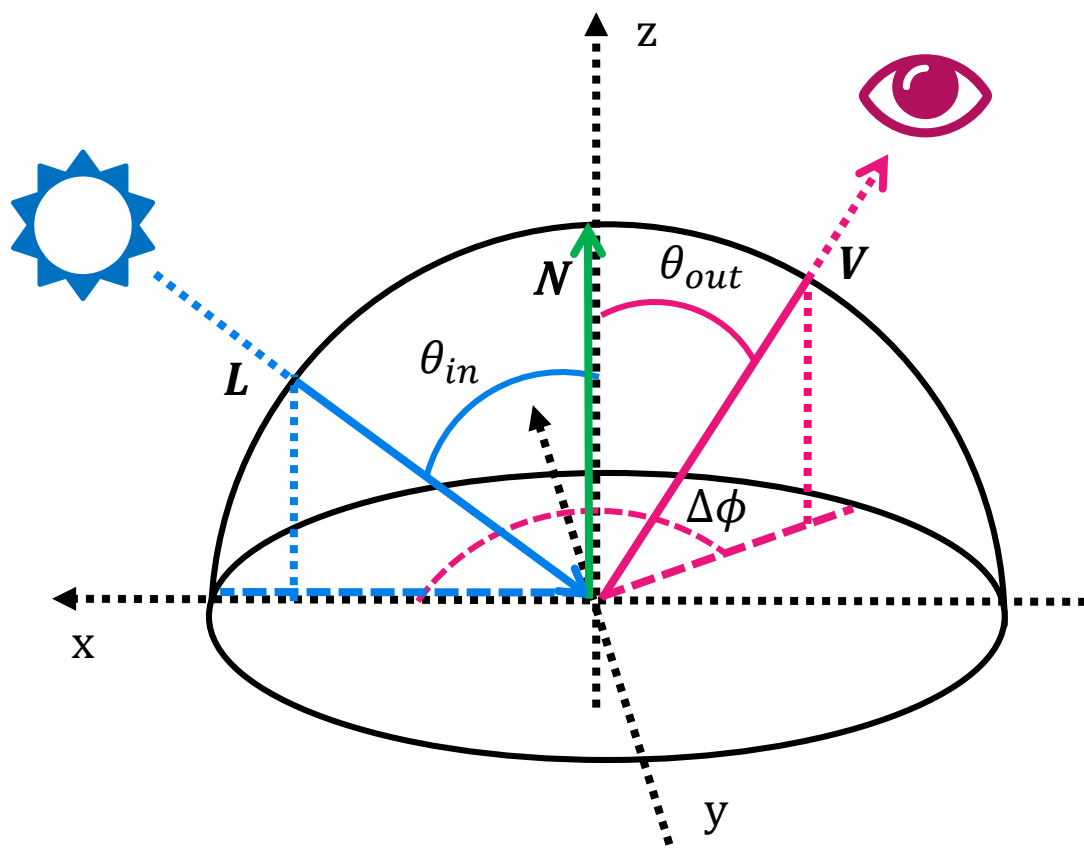


光線と座標系（異方性BRDF）

Isotropic BRDF / Coordinate axis & Ray vector



Angle(θ, ϕ) \rightarrow Vector(X, Y, Z)

$$X = \cos \phi \sin \theta \quad 0 \leq \theta \leq \pi/2$$

$$Y = \sin \phi \sin \theta \quad 0 \leq \phi \leq 2\pi$$

$$Z = \cos \theta \quad 0 \leq X, Y, Z \leq 1$$

$$N = (0, 0, 1)$$

$$L = (\sin \theta_{in}, 0, \cos \theta_{in})$$

$$V = (\cos \Delta\phi \sin \theta_{out}, \sin \Delta\phi \sin \theta_{out}, \cos \theta_{out})$$

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