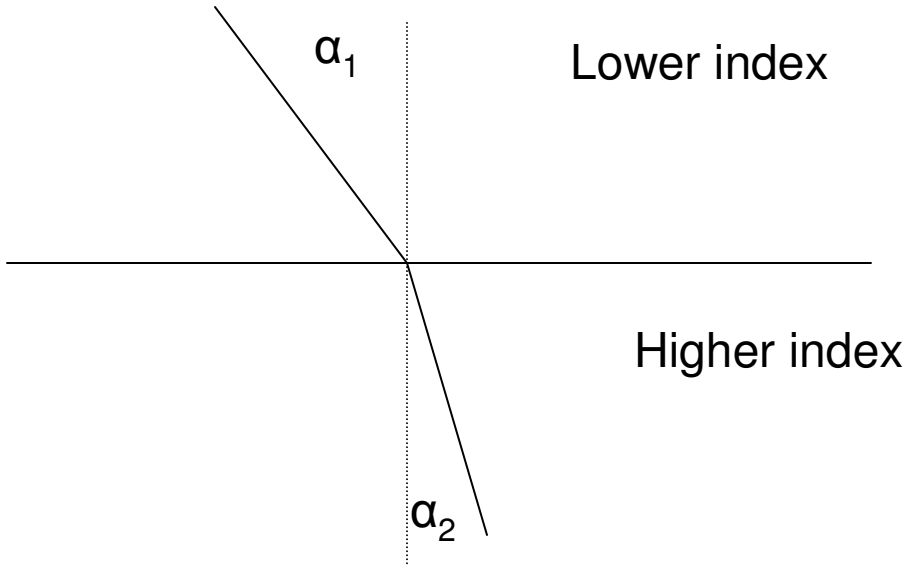
Snell's Law (Refraction)

$$n_1 * \sin\alpha_1 = n_2 * \sin\alpha_2$$

The incident ray, the refracted ray and the surface normal are coplanar

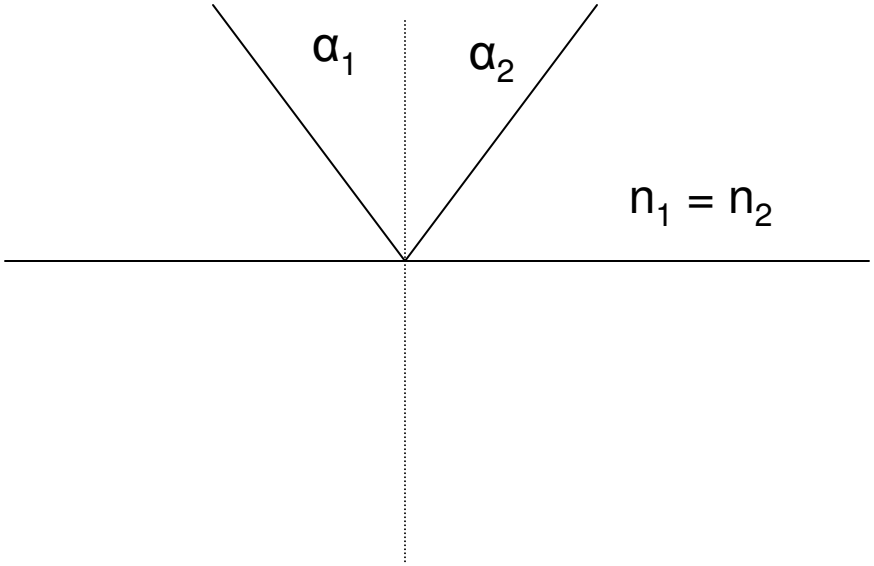


The ray is refracted towards the normal when entering a material of higher index

Snell's Law (Reflection)

$$n_1 * \sin\alpha_1 = n_2 * \sin\alpha_2$$

The incident ray, the reflected ray and the surface normal are coplanar



$\alpha_1 = \alpha_2$

The reflected ray is on the opposite side of the surface normal from the incident