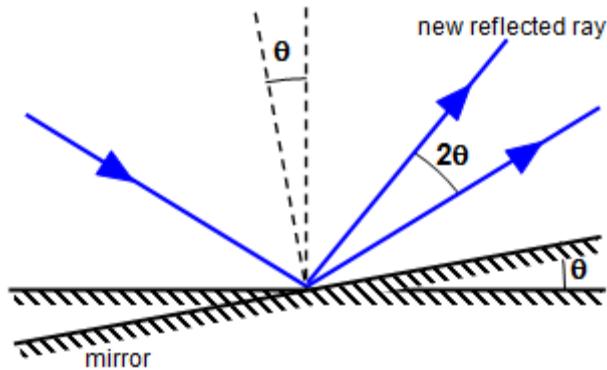
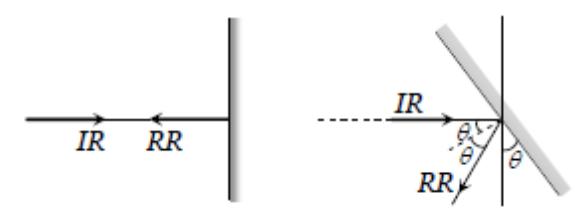


Answer on Question #48722, Physics, Optics

A light beam is being reflected by using two mirrors, as in a periscope used in submarines. If one of the mirrors rotates by an angle θ , the reflected light will deviate from its original path by the angle

Solution:

If a plane mirror is rotated in the plane of incidence through angle θ , by keeping the incident ray fixed, the reflected ray turned through an angle 2θ .



Answer: 2θ .