

Un-polarized light is incident on a system consisting of a Polarizer and Analyzer. They are aligned so that no light is passed through the system. What is the angle between the polarizing directions of the Polarizer and Analyzer?

a) 0

b) $\pi/2$

c) π

d) $3\pi/2$

e) b or d

A Quarter Wave Plate generates a phase difference of $\pi/2$ between the components of light in the two axis. This converts linearly polarized light to circularly polarized light.

