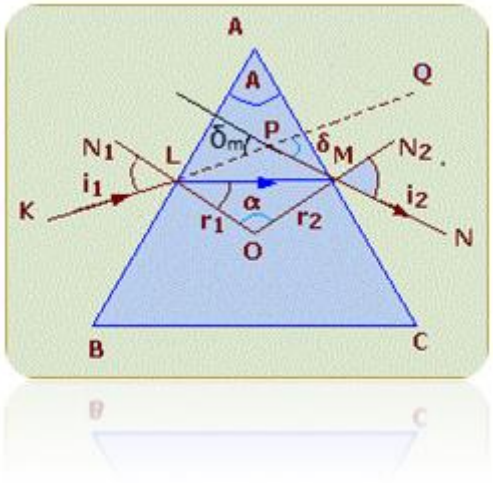
Answer on Question #55517-Physics-Optics

A light ray of angle of incidence 40° emerged from prism in minimum deviation position. The what is the angle of incidence on the second surface?

Solution



In the minimum deviation position, $\angle i_1 = \angle i_2$. Thus, the angle of incidence on the second surface is equal to the angle of incidence on the first surface.

$$\angle i_2 = \angle i_1 = 40°$$

Answer: 40°.

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