or

$$x = (2n-1)\frac{\lambda}{2}$$: path difference for destructive interference.

For destructive interference, the **path difference** between two interfering waves should be **odd multiple of** $\frac{\lambda}{2}$.
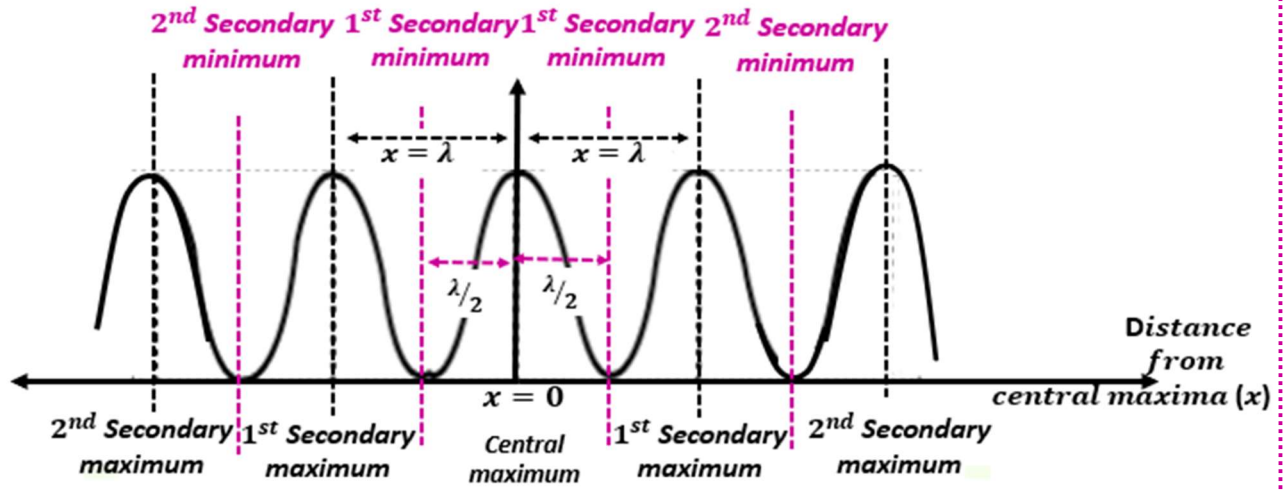

Figure: Intensity variation graph in an interference