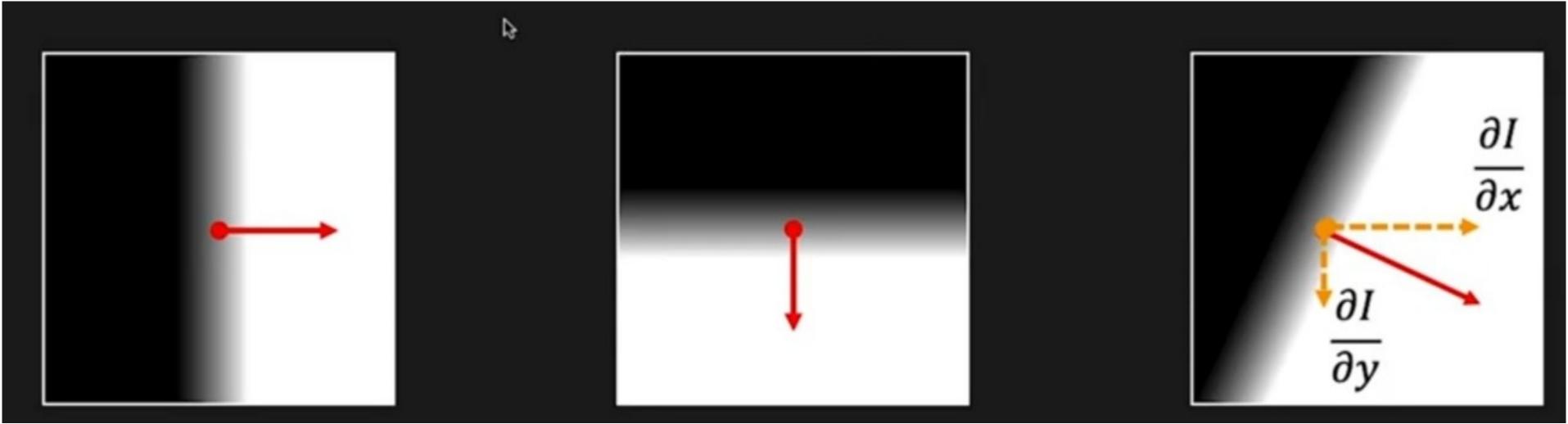




• $\nabla I = [0, x6/16] = |\nabla$







The resultant vector ∇I represents the direction of change in intensity

Gradient as Edge Detector:

Gradient Magnitude

$$\nabla I^2 = (\delta I/\delta x)^2 + (\delta I/\delta y)^2$$

- Gradient Orientation
 - Θ = tan-1 (($\partial I/\partial x$)/($\partial I/\partial y$))

Gradient Magnitude represents the strength of Edge

