

# Single Slit Diffraction - Intensity Distribution

$$E_{\theta} = 2R \sin \frac{\phi}{2} \quad (1)$$

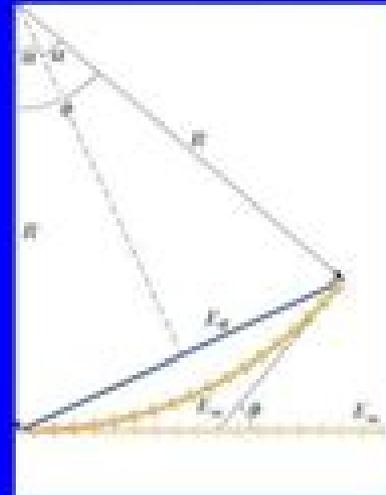
$$E_m = R\phi \quad (2)$$

- Combine and square since intensity is proportional to the square of the electric field

$$E_{\theta} = \frac{E_m}{\frac{\phi}{2}} \sin \frac{\phi}{2}$$

$$\frac{I_{\theta}}{I_m} = \frac{\sin^2 \frac{\phi}{2}}{\left(\frac{\phi}{2}\right)^2}$$

$$\phi = \frac{2\pi a}{\lambda} \sin \theta$$



# Intensity Distribution Of The Interference Phasor

**AW Chickering**



**Intensity Distribution Of The Interference Phasor:**

## Reviewing **Intensity Distribution Of The Interference Phasor**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "**Intensity Distribution Of The Interference Phasor**," an enthralling opus penned by a very acclaimed wordsmith, readers set about an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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