

PHYS 212, Honors Section – Review Material

Chapter 38: Diffraction Patterns

- Diffraction: The general idea, and why it is not observed with light in everyday day.
- Diffraction pattern from a narrow slit: The condition for destructive interference from a narrow slit of width a giving dark fringes on a distant screen, is

$$a \sin \theta = m\lambda, \text{ with } m = \pm 1, \pm 2, \dots$$

- Diffraction grating: The general idea.

The rest of the chapter was not covered.

Note: You are not required to know the topics and equations inside square brackets.

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