

Doppler Effect

Module: Waves and Thermodynamics

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Overview

Frequency shift due to relative motion

Core Ideas

- Define the concept in your own words.
- Identify the key variables and relationships.
- Connect the concept to the module inquiry question.

Key Formulas

- Doppler Effect:

$$f' = f \frac{v_{wave} + v_{observer}}{v_{wave} - v_{source}}$$

Exam Focus

- Expect both multiple choice and short answer questions.
- Show working and use correct units.

Related Concepts

- Review the linked module section for context and extensions.