

Kepler's Laws

Module: Advanced Mechanics

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Overview

Laws of planetary 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

- Kepler's Third Law:

$$\frac{r^3}{T^2} = \frac{GM}{4\pi^2}$$

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.