

Rotational Motion Unit Review Study Guide

1. A carousel at the local carnival rotates once every 45 seconds.
- a. What is the linear speed of the outer horse on the carousel, which is 2.75 meters from the axis of rotation?



- b. What is the linear speed of the inner horse that is 1.75 meters from the axis of rotation?

-
2. An electric fan spinning with an angular velocity of $\frac{8.1\pi \text{ rad}}{\text{sec}}$ has a kinetic energy value of 4.5 J. What is the moment of inertia of the fan?

Rotational Motion Study Guide

Arihant Experts



Rotational Motion Study Guide:

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