

CENTRIPETENCY

Meaning: Centripetency is the property or force that acts on an object moving in a circular path, directing it towards the center of the circle and maintaining its circular motion.

1. Centripetency is a fundamental concept in physics that describes the force required to keep an object moving in a circular path.
2. In engineering, understanding centripetency is crucial for designing stable structures that can withstand rotational forces.
3. The centripetency of the vehicle was tested during the high-speed turn on the racetrack.
4. Teachers often explain centripetency using examples of planets orbiting around the sun.
5. In sports, centripetency plays a vital role in how athletes maintain balance while performing spins.
6. The centripetency of a roller coaster depends on its speed and the radius of the track.
7. To calculate centripetency, one must consider the mass of the object and the radius of its circular path.
8. Without centripetency, objects in motion would fly off in straight lines instead of following curved trajectories.
9. The principles of centripetency are applied in various fields, from astronomy to robotics.
10. As we studied centripetency, we discovered its relevance in both everyday life and advanced scientific research.

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