

KINEMATICS

Meaning: Kinematics is the branch of physics that deals with the motion of objects without considering the forces that cause the motion.

1. Kinematics is essential for understanding the motion of objects in physics.
2. In her physics class, she found kinematics to be both challenging and fascinating.
3. The study of kinematics involves analyzing how speed and direction affect an object's trajectory.
4. Engineers apply kinematics principles to design more efficient vehicles and machinery.
5. Kinematics provides the foundation for more advanced topics like dynamics and fluid mechanics.

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