

Physics 1114 - General Physics I

Quiz #6 - 2012.09.05

Solutions

1. How is instantaneous velocity defined geometrically for motion in a plane?

Velocity in the plane points in the direction of motion, and the magnitude of the vector is the speed of motion.

2. Why is acceleration nonzero when motion is not along a line?

Acceleration in the plane depends both on the change in speed and the change in the direction of velocity.