

Particle Kinematics n-t Coord's Non-Circular: Example Problem 1

A bead slides along a path described by the function $y = -(1/16)x^2$ ft. At the position $x = 4$ ft, the particle's speed is 3 fps, increasing at 2 fps^2 . Write, as Cartesian or polar vectors, the particle's velocity, v , and acceleration, a .



