

Chapter 13 Technology Application Projects

Mathematica/Maple Module

Radar Tracking of a Moving Object

Visualize position, velocity, and acceleration vectors to analyze motion.

Mathematica/Maple Module

Parametric and Polar Equations with a Figure Skater

Visualize position, velocity, and acceleration vectors to analyze motion.

Mathematica/Maple Module

Moving in Three Dimensions

Compute distance traveled, speed, curvature, and torsion for motion along a space curve. Visualize and compute the tangential, normal, and binormal vectors associated with motion along a space curve.