

PUZZLER

This airplane is used by NASA for astronaut training. When it flies along a certain curved path, anything inside the plane that is not strapped down begins to float. What causes this strange effect? (NASA)

web

For more information on microgravity in general and on this airplane, visit <http://microgravity.msfc.nasa.gov/> and <http://www.jsc.nasa.gov/coop/kc135/kc135.html>



chapter

4

Motion in Two Dimensions

Chapter Outline

- 4.1 The Displacement, Velocity, and Acceleration Vectors
- 4.2 Two-Dimensional Motion with Constant Acceleration
- 4.3 Projectile Motion
- 4.4 Uniform Circular Motion
- 4.5 Tangential and Radial Acceleration
- 4.6 Relative Velocity and Relative Acceleration