

A.1.6 Coordinate System

Key Concepts: Coordinate Systems
Materials: Three axes model
Set Up Time: 0 minutes
Time Estimate:

Set Up And Display

Demonstrate the three axes model, distinguishing the axes by the labels used in the course.

Explanation

There are three key points to be discussed. First, point out that it takes three vectors to cover all of space. Second, explain that there are several systems that can be used to define coordinate systems for space. The rectilinear system is one of the more visually intuitive ones to use. Cylindrical and spherical coordinate systems can also be discussed. Third, review some of the labeling conventions used to describe the rectilinear coordinate system.

Related Demonstrations: A 1.5 A 1.7