Global Spatial Data Model - GSDM

(A Universal 3-D Model for Spatial Data)

The Global Spatial Data Model provides a simple, universal 3dimensional mathematical foundation for the National Spatial Data Infrastructure (NSDI) which supports Geographic Information System (GIS) database applications in disciplines such as:

Surveying	3-D Core Concepts	Engineering
Planning	Global X/Y/Z Rectangular Coordinates Origin at Earth's Center of Mass	Mapping
Facilities Management	 X/Y in Plane of Equator, Z is Earth's mean Spin Axis Rules of Solid Geometry & Vector Algebra 	Remote Sensing
Fleet Dispatch	 Model does not distort physical measurements Standard Deviations 	Computer Graphics
Transportation	Describe Data Quality Local users Work With Coordinate Differences	Simulations
Navigation	• Think globally - work locally	Avionics