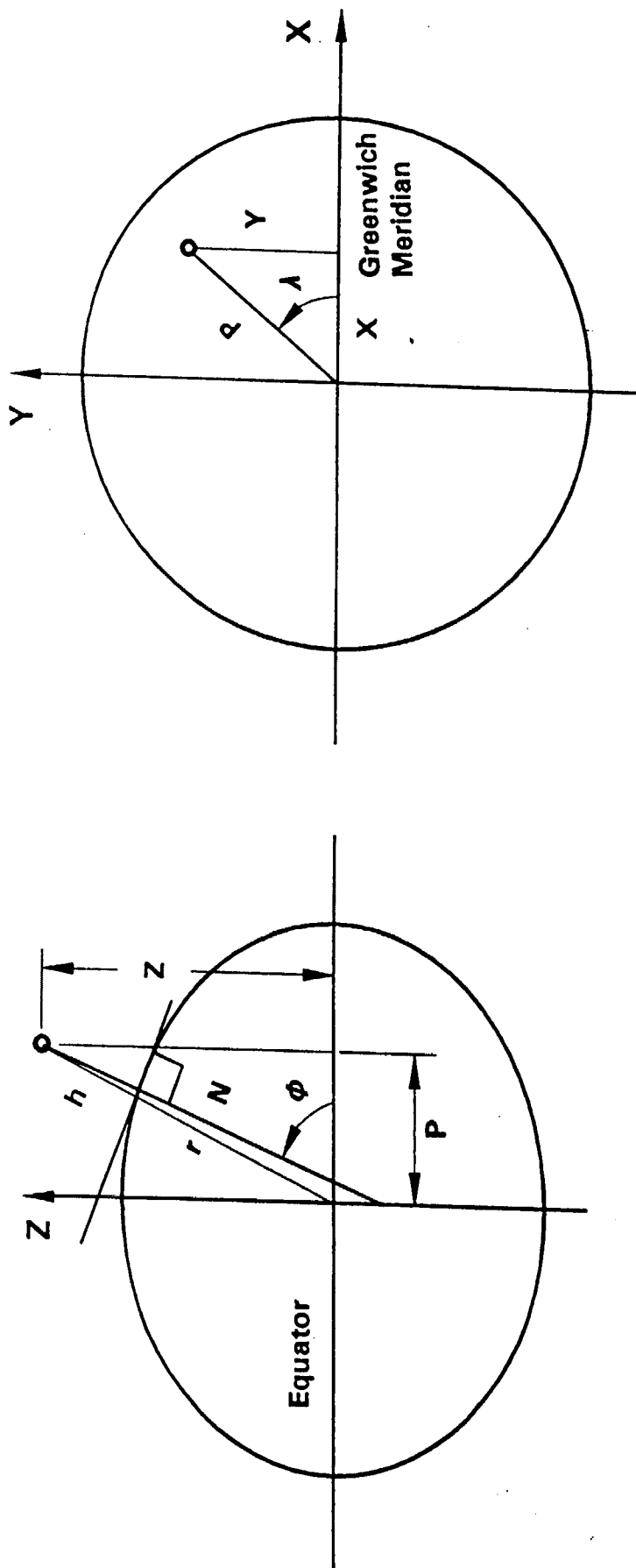


Geocentric to Geodetic Coordinate Transformation



Plane of the Equator

Meridian Ellipse

The goal of this transformation is to start with X, Y, Z and end up with latitude, longitude, and height. Vincenty's method is accurate within about 0.2 millimeters - even up to satellite heights.