



Compass Coordinate System

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This presentation addresses the definition and realization of the Compass Coordinate System, which is utilized by the BeiDou/Compass satellite navigation system. The definition follows the criteria described by the IERS Technical Note No.21. The reference ellipsoid used is the GRS80 ellipsoid except that the IERS recommended value of 3986004.418'108m3s-2 is adopted for the Earth's gravitational constant. The realization has been done in such a way that the system is closely aligned to the ITRF 2008. The relationship between the Compass Coordinate System and the China Geodetic Coordinate System 2000 (CGCS 2000) is also outlined in the presentation.