

Figure 1: ECEF, ECI coordinate systems

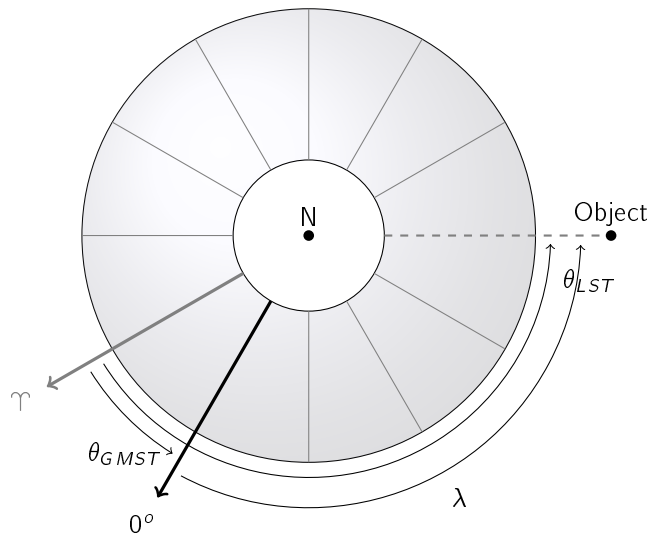


Figure 2: GMST, LST and Latitude relation

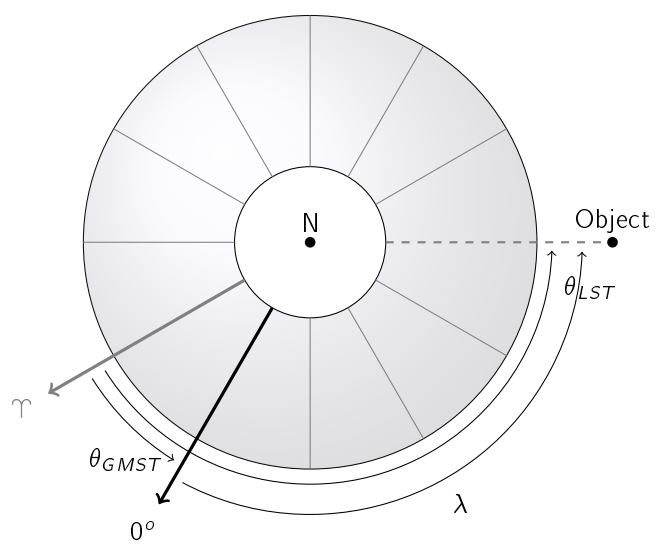


Figure 3: Transformation workflow