

UNIVERSAL TRANSVERSE MERCATOR AND LAMBERT'S CONFORMAL CONIC PROJECTIONS

Cemal GÖÇMEN **

ABSTRACT.- This article has been prepared with the purposes of giving information about the mapping projections and noticing which points should be taken into account in using these projections. In the article not all of the mapping projections have been described but the two of them, which are mostly used in our works; namely Universal Transverse Mercator and Lambert's Conform Projections which retains the angles have been considered. In the article, for the degree-UTM conversion programs, the importance of the determination of mid-meridian of the zone has been emphasized and the reason of why our maps drawn in Lambert's projections system does not coincide with those drawn in the neighboring countries has been investigated. Further, in the article, the mathematical models used in the map projections have been considered and the interests of human being and works done about the shape and dimensions of the earth in the archaic era has been described under the title of Historical Development.

Key words: Shape of the Earth, UTM Projection, Lambert's Projection.