

**Cartographic and geometrical characteristics of Georgian border,
determination of geographic center**

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High accuracy of cartographic characteristics and geometrical parameters of national borders is very important issue, not only for geographic sciences, but also for national safety and policy. It should be noted that different data are spread in literary sources, official and unofficial internet sources about national borders of Georgia, sea and land perimeter, coordinates of extreme points and geographic center that is obvious and inadmissible lapse. The mentioned fact is basically caused by methodological difficulty of solution of an issue. Prior to development of geo-information system the works on cartometry measurements at topographic map, detection of coordinates have required ample human resources, that's why carrying out of measurements with high accuracy was so difficult, in addition to it every sheet of topographic map covers only the part of territory and gathering of all sheets into single composition and conducting measurements was related to additional difficulties.

Within this topic we consider general cartographic parameters of national border of Georgia and methodology of their calculation using modern software. Calculation of cartographic parameters of national border of Georgia was made on the basis of topographic maps of 1:25 000 and 1:50 000 available for us, with the help of new aerophotos. Results were processed via geo-information programs (ArcGis, Qgis) and Office program Excel.