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## Comparison of geopotential models

## A case study in Iran

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In this paper we compare geoidal heights for some geopotential models e.g. EGM96 and Eigen-Grace and local geoid models with GPS leveling data. There are about 500 stations with known ellipsoidal heights and of course orthometric elevations related to leveling network of Iran.

Here we find the compatibility of these two sets of data and of course compatibility of GGMs in our territory area. We can improve geoidal surfaces in Iran with fitting a new surface using GPS leveling data.