

The development of the normal heights system in Azerbaijan by the satellite methods

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SUMMARY

It is known that as a result of satellite definitions are received spatial geodetic coordinates X , Y , Z of the observation points of artificial Earth satellites. However, geodetic height is unsuitable for the decision of problems, connected with works in the gravity field of the Earth. Therefore, there is a need to move from geodetic height to height in the gravity field. In the paper it was considered a principle to establish a system of the satellite normal heights and on its basis was developed a modern concept of constructing a system of the altitude provision on the territory of the Azerbaijan Republic. The main idea of this concept is that as the plane coordinate system and the high-altitude system are implemented by the same set points of geodetic networks of HGN (high-precision geodetic network) and the SGN-1 (satellite geodetic network).