The Russian State Geodetic Coordinate System — 2011, Founded on Satellite Network

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SUMMARY

An historical overview of the State Geodetic Coordinate Systems 1942 (SK-42), 1995 (SK-95) and 2011 (GSK-2011) on the territory of the Russian Federation are given. The changes of GSK-2011 Normal Field is estimated: normal heights, normal gravity formula, potential on the level ellipsoid. The method of deformation matrix is elaborated for connection between coordinate frames.

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