Abstract Details

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Title: Change of the Earth's Geometry Detected from Space Geodetic Dat

Abstract:

In this paper, the global tectonic change deduced from geophysical r was firstly identified by space geodetic data from VLBI and GPS measurements. Whatever using geodesic rates, or using vertical velo stations, three kind of data and their integration give consistent resu within the mid-latitude belt(20° ~ 50°) on north half of the Earth the be about 6-8 mm/yr contracting change; within the mid-latitude belt ~ -50°) on south half of the Earth there may be about 14-16 mm/yr expanding change.

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