

Towards the introduction of semi-dynamic correction

Yohei Hiyama[1]; Yu Morishita[1]

[1] GSI

The Geographical Survey Institute (GSI) has published the Japan Geodetic Datum 2000 (JGD 2000) since April, 2002. Because the published coordinates of the control points are based on the coordinates at 1997.0, the results of current surveys based on the control points are affected by the crustal deformation which has accumulated from the original epoch to the current epoch. In order to maintain the consistency between present GPS surveys and the geodetic datum, the GSI plans to introduce semi-dynamic correction.

In this presentation, we will report the outline of semi-dynamic correction and the method of calculation of crustal deformation parameter which is necessary to estimate the crustal movement at any control points.