

**Coordinate transformation software "TKY2JGD" for Japanese Geodetic Datum 2000**

# Mikio Tobita[1], Yasuhiro Takahashi[1], Kaname Sugita[1]

[1] GSI

A CD-ROM version of TKY2JGD software has been completed and soon will be released in public. In addition to regional transformation parameters for four main islands of Japan, we computed the parameters for about 60 islands in Japan and included the parameters in the CD-ROM, as well as programs and help files. The TKY2JGD features: (1) 1-km spacing transformation parameters, (2) 99.9% coverage of land including remote islands, (3) high precision computation of Gauss-Kruger projection, (4) new algorithm for estimating network distortion, (5) automatic transformation of points on the land surface, and (6) 1.4 cm of transformation formal error.