

Gravity tectonic map of Kofu district

KOMAZAWA, Masao^{1*}

¹Geological Survey of Japan,AIST

The low gravity anomaly of the Kofu basin is a part of large low gravity anomaly belts which exist in the east side of Itoigawa-Shizuoka Tectonic Line which goes Fujigawa north and reaches the Suwa basin. The west edge and southeast edge of the basin are a steep slope, and correspond to reversed fault structure. Gravity is the minimum not in the lowlands along Fujikawa but in the steep range of hills of several kilometer west, and especially near the Kajikazawa town which is an exit of the south of a basin is having structure where the low density substance is collapsed under the hill. The regional gravity basement of Kofu basin correlates with topographical feature. In detail, the deepest part deeper than -2000m above sea level does not exist in the central part of the basin, but in the west edge, which corresponds to the foot of Minami-Alps.

Keywords: Kofu basin, gravity tectonic map, Itoigawa-Shizuoka tectonic line, Bouguer anomaly, gravity basement