

Estimation of Faultplane Structures by means of Dense Gravity Measurements

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Dense gravity measurements were carried out along two lines, crossing the Katagihara Fault and Katata Fault respectively. Our purpose of this study is to estimate small subsurface structures near the faults. To get adequate information, we set observation points about 50m apart from each other. Obtained bouguer anomaly and expected bouguer anomaly from seismic prospecting data did not coincide well. To explain observed bouguer anomaly, we must suppose low density layers near the surface, which could not appear in 100m interval measurements. It is said that dense gravity measurements about 50m interval are useful for this study.