

Determination of Bedrock Structure Using Gravity survey in Fukui Plain

Eiji Nakaya[1]; Tatsuya Noguchi[1]; Takao Kagawa[2]; Yuzuru Yasui[3]; yuichi hashimoto[4]

[1] Civil Eng., Tottori Univ; [2] Tottori Univ.; [3] Civil Eng., FUT; [4] FUT,Civil,Eng.

To obtain a detailed model of the ground structure, the gravity surveys have been carried out at 85 sites in Fukui plain. Gravity anomalies were used by database and survey data of this study. 2D and 3D bedrock structures with density were determined in the area. From 2D density structure model (density contrast is 0.4 t/m³), the bedrock, whose density is estimated as 2.4t/m³, is found at about 1.5-km maximum depth from the surface.