

PALEOGEODYNAMIC INTERPRETATION OF THE FORMALIZED GRAVITY MODELS, A CASE STUDY FOR THE FAR EAST REGION

A.M. Petrishchevsky

Institute of Complex Analysis of Regional Problems, Far East Branch of the Russian Academy of Sciences

The paper presents basic principles and methods supported with case studies, which helps find solution for the paleogeodynamic inverse problems using the retrospective analysis of formalized gravity models of the earth crust and upper mantle in the Far East Region of Russia.

Keywords: gravity anomalies, modeling, tectonic structure, geodynamics, the Far East.