DISTINGUISHING AND DELINEATION OF GRAVITATING OBJECTS USING THE MODERN METHOD OF RECALCULATION OF THE GRAVITY FIELD IN THE LOWER HALF-SPACE

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The author created GrAnM software, which is capable to implement algorithms to help finding solutions for Laplace discredited equation in a problem of analytical continuation and the decision of some auxiliary problems. Results of calculations are visualized in the form of diagrams of the abnormal curve restored values of a gravity field, which allows interpreting results from computing experiments in the evident form. Results from the computing experiments prove a high resolution of the described method of interpretation of data from gravimetric measurements.

Keywords: GrAnM software, gravity field, lower half-space.