Bouguer gravity regional and residual separation : application to geology and environment

Mallick, K., author

Deskripsi Lengkap: https://lib.ui.ac.id/detail?id=20401928&lokasi=lokal

----

Abstrak

In this book, described the technique based on finite element method in which only eight (or twelve) nodal observed gravity values are used for the regional computation, thereby eliminating the possible contamination of anomalous fields and also the technique does not assume an explicit model and physical properties like density of rocks etc. in the regional computation. The book discusses the advantages of this technique viz., it is not site-specific, the computation is independent of any prior assumptions as to the form and depth of shallow or deeper structures, it can handle data distributed at random or on a regular grid on the map space, and the neighbouring surveys join smoothly.

The book focuses on application of this new technique which has been demonstrated in different fields, such as hydrocarbon, minerals and groundwater, structural studies, earthquake and engineering studies and impact structures.