

AN ITERATIVE METHOD FOR THE SOLUTION OF A NON-LINEAR INVERSE PROBLEM IN MAGNETIC INTERPRETATION.

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Abstract

A method is presented for determining the lower surface of a two-dimensional body producing a magnetic anomaly when its upper surface and the intensity of magnetization are given. The magnetization vector is assumed to lie along a specified direction but the sense of magnetization may be different vertical sections of the body and may be regarded as unknown. The method is illustrated using the computed anomalies of some theoretical models.

Indexed keywords

Engineering controlled terms: EARTH - Magnetism; MATHEMATICAL TECHNIQUES - Iterative Methods

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