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COMPLEX ANALYSIS AND INVERSE PROBLEMS

© A. L. Bukhgeim

boukhgueim@math.wichita.edu

Sobolev Institute of Mathematics, Novosibirsk, Russia Wichita State University, Wichita, USA

In the introduction we show that the inverse gravimetry problem on the plane, vector and tensor tomography problems can be investigated on the same language of elliptic differential operators with operator coefficients. Then we develop elements of the boundary value problems for such operators. Using this approach we obtain some new inversion formulae, algorithms and stability estimates for aforementioned inverse problems.

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