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## Processing and interpretation of gravimetric data based on «native» continuous wavelet transform

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### Abstract

© SGEM2014 All Rights Reserved. In this study we present a method for interpretation of gravimetric data based on the so-called “native” wavelet basis. We show that this approach has several distinct advantages over commonly used methods, including a simple way of obtaining formal solutions of the inverse problem, easy identification of the causative sources, and efficient search for solutions of the nonlinear inverse problem in the wavelet domain.

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### Keywords

Avelet transform, Bouguer anomaly, Gravimetry, Inverse problem