



Determining of lineaments of Iskenderun Basin (Southern Turkey) using Wavelet Transformation

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In this study, wavelet transform is applied to the air magnetic data around the Gulf of Iskenderun. The results obtained in this region together with the deep seismic sections are compared to the well data. A structure running through Gulf of Iskenderun toward the N-S direction has been observed. As a conclusion, promising results are obtained from the application of wavelet transform method to the magnetic data. The wavelet transform method proves to be very convenient in determining tectonic structures. Furthermore, an integration of the findings obtained from the above cited geophysical and geological data, a better tectonic model pertinent to the region can be achieved.