



Lithospheric Flexure of The Western Turkey

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Western Anatolian region, being within the Alpine-Himalayan orogenic belt, is a part of the extensive compressional zone which lies between Arabian, African and Eurasian plates. It is one of the most tectonically active and rapidly deforming and extending area in the world.

In this study, an approach has been developed towards the isostatic model of the lithosphere where considerably complex tectonic incidents occur. For this purpose, by using the admittance function the lithospheric flexure model of the region has been analysed with the help of free air gravity and topographic data.

As a result the study have been evaluated together with the seismicity of the region and the heat flow data.