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汾渭盆地内断层和地裂引起的地表垂直形变

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Title: Characteristic analysis of vertical surface deformation caused by faults and ground fissures in Fen-Wei Basin

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关键词: [地裂](#); [垂直形变](#); [位错模型](#)

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摘要: 汾渭盆地内的地裂活动明显,危害严重。主要分析了陕西泾阳的口镇—关山断裂及山西清徐交城断裂及附近地裂活动引起的灾害及地表垂直形变特征,并通过位错模型反演了清徐交城断层及其地裂活动参数,为进一步预防此类灾害提供参考。

Abstract: The fault and ground fissure are active obviously and has caused serious disasters in Fen-Wei Basin. In this paper the characteristics of disasters and vertical deformation caused by Kouzhen-Guanshan Fault in Shaanxi Province, Qingxu-Jiaocheng Fault in Shanxi Province and its adjacent ground fissure activity were analyzed. Then the Jiaocheng fault and its ground fissure parameters was inverted based on dislocation model. The results can give a reference to work on disaster prevention and reduction.

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