

[1]彭丹青,李京,陈云浩,等.基于先进对地观测卫星遥感影像的断裂识别——以江西德兴为例[J].自然灾害学报,2008,06:124-128.

PENG Dan-qing,LI Jing,CHEN Yun-hao,et al.Fracture system recognition and interpretation based on Advanced Land Observing Satellite remote sensing image:a case study of Dexing,Jiangxi[J].,2008,06:124-128.



## 基于先进对地观测卫星遥感影像的断裂识别——以

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《自然灾害学报》[ISSN:/CN:23-1324/X] 期数: 2008年06期 页码: 124-128 栏目: 出版日期: 1900-01-01

Title: Fracture system recognition and interpretation based on Advanced Land Observing Satellite remote sensing image:a case study of Dexing,Jiangxi

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关键词: [断裂构造](#); [遥感](#); [先进对地观测卫星影像](#)

Keywords: [constructive fault fractures](#); [Remote sensing](#); [Advanced Land Observing Satellite \(ALOS\) mage](#)

分类号: TP79:X14

DOI: -

文献标识码: -

摘要: 断裂构造是地球应力的外部表现。断裂构造的识别对于地震、滑坡、泥石流等地质灾害的预测,以及矿产资源的勘探、开发等具有重要意义。利用ALOS影像,结合地形图,通过分析研究区内地形、地貌构造及水系特征等,建立了德兴地区断裂构造的遥感解译标志。通过实地验证,该研究区内存在断裂构造100余条,北西方向断裂为区域性断裂。

Abstract: Faults are the concentrated expression of terrestrial deep stress. Recognition and interpretation of faults are important for mitigating natural calamity through disaster forecast, such as landslide, debris flow and other disasters. It is also significant for mineral exploring. In this study, ALOS remote sensing (RS) images were introduced. Interpretation of constructive fault fractures were conducted through a detailed study of terrain and landform features on RS image. In Dexing area, there are more than 100 constructive fractures. NW-striking faults are territorial faults.



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备注/Memo: 收稿日期:2008-8-20;改回日期:2008-10-16。

基金项目:国家高技术研究发展计划项目(2007AA120306,2007AA120205);对发展中国家科技援助项目;国际科技合作计划项目(2007DFA20640)

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