

全国中文核心期刊
中国科技核心期刊
中国科学引文数据库核心期刊

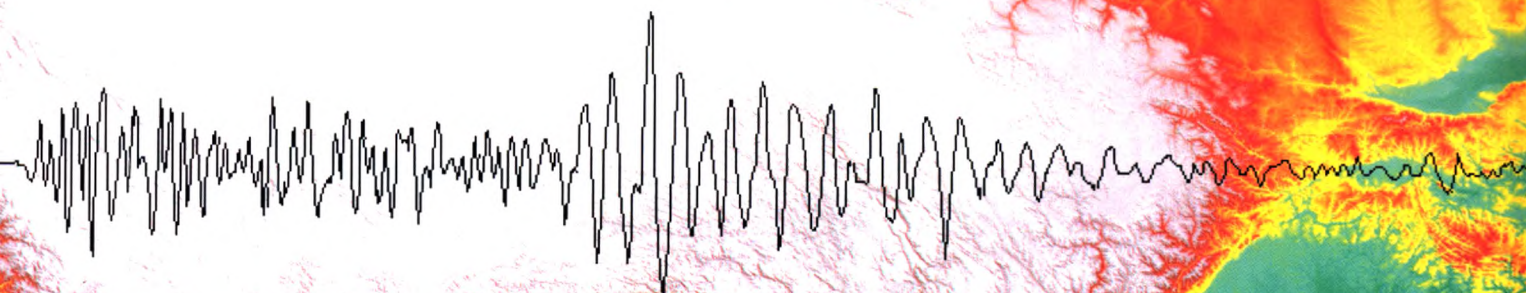
ISSN 1000-0844
CODEN:XDIXEF

西北地震学报

NORTHWESTERN
SEISMOLOGICAL JOURNAL

2012年9月

第34卷 第3期
Vol. 34 No. 3



ISSN 1000-0844



《西北地震学报》编辑部

万方数据

西北地震学报

XIBEI DIZHEN XUEBAO

第 34 卷 第 3 期 2012 年 9 月

目次

- 地震作用下非贯通节理岩体斜坡破坏的物理模型试验研究…………… 倪振强, 孔纪名, 阿发友 (209)
- Ant-Miner 算法改进及在地震预测中的应用…………… 邵晓艳, 刘 宁, 李玲玲, 等 (215)
- 基于粒子群优化最小二乘向量机的地震预测模型…………… 徐松金, 龙 文 (220)
- 青藏高原东北缘地壳上地幔速度结构的地震层析成像研究…………… 周民都, 王椿镛, 曾融生 (224)
- Voronoi 图和双曲线联合方法在地震快速定位中的应用…………… 王庆民, 刘希强, 沈得秀 (234)
- Pdif 震相在 CDSN 兰州地震台的记录特征…………… 许健生, 隗永刚, 张淑珍 (239)
- 基于 Newmark- β 显式直接积分法的三塔斜拉桥非线性地震响应分析…………… 喻明秋, 祝 兵, 张斗龙 (245)
- 基于 Mann-Kendall 法的地震前兆观测数据异常分析…………… 陈振勋, 辛小龙, 贺瑞缠 (250)
- 2008 年于田 7.3 级地震前西昆仑地形变的 GPS 初步研究…………… 李 杰, 王晓强, 王 琪, 等 (256)
- 汶川地震前后川滇及其邻区 GPS 水平运动演化特征…………… 贾 鹏, 张 希, 张晓亮, 等 (264)
- 汶川大震前数字地震仪位移地脉动低频异常现象研究…………… 董 蕾, 杨立明 (268)
- 延庆五里营井稀有气体地球化学特征…………… 高 玲, 林元武, 杨明波 (274)
- 中小地震定量分析在地震区带划分中的应用——以龙门山地震带及邻区为例……………
…………… 谢卓娟, 吕悦军, 张力方 (277)
- 地震灾害经济易损性评估研究——以甘肃省为例…………… 李 鑫, 郭安宁, 焦 娟 (284)
- 1970 年以来甘肃台网地震观测报告收集整理及其重新定位研究…………… 冯建刚, 蒋长胜, 韩立波, 等 (289)
- 水库区地震前兆在地震预报中的意义…………… 焦 娟, 郭安宁, 高思如, 等 (294)
- 甘肃高台分量式应变前驱波的特征分析…………… 刘鸿斌, 尹 亮, 李东生, 等 (299)
- 学术争鸣**
- 玉树强震前低层大气的奇特结构…………… 彭小桐, 邓文彬, 李盛林 (308)

本期责任编辑:吕太乙 吴建华

技术编辑:张向红

期刊基本参数: CN 62-1048/P * 1979 * q * A4 * 104 * zh * P * ¥15.00 * 500 * 18 * 2012-9

NORTHWESTERN SEISMOLOGICAL JOURNAL

Vol. 34 No. 3 Sept. ,2012

CONTENTS

- Physical Model Test of Rocky Slope Failure Containing Intermittent Joints under Earthquake Action NI Zhen-qiang, KONG Ji-ming, A Fa-you (209)
- Earthquake Prediction Using Improved Ant—Miner Algorithm SHAO Xiao-yan, LIU Ning, LI Ling-ling, et al. (215)
- Earthquake Forecast Model Based on the Partical Swarm Optimization Algorithm Used in LSSVM XU Song-jin, LONG Wen (220)
- Seismic Tomography of the Velocity Structure of the Crust and Upper Mantle in Northeastern Margin of the Qinghai—Tibet Plateau ZHOU Min-du, WANG Chun-rong, ZENG Rong-sheng (224)
- Apply of Voronoi Diagram and Hyperbola Methods on Earthquake Rapid Location WANG Qing-min, LIU Xi-qiang, SHEN De-xiu (234)
- The Recording Characters of Pdif Phase in Seismic Wave at CDSN Lanzhou Seismic Station XU Jian-sheng, WEI Yong-gang, ZHANG Shu-zheng (239)
- Nonlinear Earthquake Response Analysis on Three-tower Cable-stayed Bridge Based on Newmark- β Explicit Scheme Direct Integration Method YU Ming-qiu, HU Bing, ZHANG Dou-long (245)
- The Abnormal Analysis of Seismic Data Based on the Method of Mann—Kendall CHEN Zhen-xun, XIN Xiao-long, HE Rui-chan (250)
- Crustal Deformation in Western Kunlun Tectonic Zone from GPS Measurements before the Yutian $M_s 7.3$ Earthquake in 2008 LI Jie, WANG Xiao-qiang, WANG Qi, et al. (256)
- Evolution Features of Crustal Horizontal Movement from GPS Observation in Sichuan—Yunnan Region and Its Adjacent Area before and after the Wenchuan Earthquake JIA Peng, ZHANG Xi, ZHANG Xiao-liang, et al. (264)
- Research on Low-frequency Anomalies of Microtremor Displacement Recorded by Digital Seismigraph before the Wenchuan Earthquake DONG Lei, YANG Li-ming (268)
- Geochemistry Characteristics of the Minor Gases in Wuliying Well at Yanqing County, Beijing GAO Ling, LIN Yuan-wu, YANG Ming-bo (274)
- Application of the Quantitative Analysis of Moderate-small Earthquakes for the Division of the Seismic Zones—Taking Longmenshan Seismic Belt and Its Adjacent Region as An Example XIE Zhuo-juan, LU Yue-jun, ZHANG Li-fang (277)
- Assessment of Economic Vulnerability Caused by Earthquake Hazard—Taking Gansu Province as An Example LI Xin, GUO An-ning, JIAO Jiao (284)
- Collection and Reestablish Work for the Earthquake Observation Reports of the Gansu Seismographic Network since 1970 and Earthquake Relocation FENG Jian-gang, JIANG Chang-sheng, HAN Li-bo, et al. (289)
- Significance of the Earthquake Precursor in Reservoir Area for Earthquake Prediction JIAO Jiao, GUO An-ning, GAO Si-ru, et al. (294)
- Analysis on Characteristics of Precursor Waves Recorded by Component Strain Observation at Gaotai Seismic Station, Gansu Province LIU Hong-bin, YIN liang, LI Dong-sheng, et al. (299)
- “Exotic” Structure of Lower Atmosphere before Yushu Earthquake PENG Xiao-tong, DENG Wen-bin, LI Sheng-ling (308)