

西北地震学报 2003 年 25 卷总目次

第 1 期

- 东昆仑活动断裂带大地震之间的弹性应力触发研究 万永革, 沈正康, 甘卫军, 等 (1)
太阳活动与 2001 年昆仑山口西 8.1 级大震的相关性讨论 郭增建, 韩延本, 吴瑾冰 (8)
昆仑山口西 8.1 级地震的卫星热红外前兆特征分析 康春丽, 陈正位, 陈立泽, 等 (12)
地磁“低点位移”现象与昆仑山口西 8.1 级地震 荣海, 余素荣, 肖武军 (16)
昆仑山口西 8.1 级地震前的地震活动异常及预测意义的讨论 王林瑛, 陈佩燕, 林碧苍, 等 (22)
2001 年昆仑山口西 8.1 级特大地震孕育过程及中强地震活动图像演化 孙加林, 曹井泉 (28)
昆仑山口西 8.1 级地震孕育演化的阶段性初步研究 杨立明, 程建武 (35)
中国 8 级巨震时空特征及其对于大华北地区地震活动影响初析 王铮铮, 刘红桂, 梅卫萍, 等 (40)
昆仑山口西 8.1 级地震后地震趋势分析 刘东旺, 沈小七, 刘泽民, 等 (46)
昆仑山口西 8.1 级地震后青藏高原北部地区地震活动初步研究 刘小凤, 杨立明, 范兵 (52)
昆仑山口西 8.1 级地震前的地震活动图像演变特征 董治平 (59)
昆仑山口西 8.1 级地震前青海省形变、地热前兆特征研究 张晓清, 马文静 (64)
昆仑山口西 8.1 级地震与甘川应变变化的关系 高原, 蒲小武, 陈彦平, 等 (70)
1997~2001 年华北地区的重力场变化和昆仑山口西 8.1 级地震 李清林, 秦建增, 张晓普 (74)
- * * * *
- 1995 年永登地震山体变形计算机模拟与机理分析 张冬丽, 王兰民 (77)
井水位气压加卸载响应比 魏焕, 张昭栋, 耿杰, 等 (82)
短文
定襄泉水氡前兆异常的可靠性分析 范雪芳, 张淑亮, 王吉易 (86)
2001 年 7 月 11 日甘肃省肃南县祁青 5.3 级地震的基本特征 袁道阳, 刘小龙, 马尔曼, 等 (89)
研究简报
灾害预报与鸡西煤矿瓦斯爆炸事件 杨学祥, 宋冬林, 陈震 (93)

第 2 期

- 地震台阵滤波及子台分布对聚束效果的影响(I)——滤波与相关性的规律 刘旭, 朱元清, 佟玉霞 (97)
高维 PP 时间序列分析在地震预报中的应用 王琼, 朱令人 (103)
地形变场与现代地壳垂直运动及地震活动关系初探(II)——地凸凹区与地壳运动及地震活动的关系
郭维栋, 汤懋苍 (112)
兰州及邻近地区河流阶地变形特征 刘小凤, 袁道阳, 刘百篪 (119)
Weibull 分布的信息熵在地震预报中的应用研究 范琦 (125)
曲线拟合法在地电场资料处理中的应用 王兰炜, 赵家骝, 席继楼, 等 (131)
青海热水一日月山断裂带古地震的初步研究 袁道阳, 刘小龙, 刘百篪, 等 (136)
南北地震带及青藏块体东部垂直形变与地震活动研究 张四新, 江在森, 王双绪 (143)
地震转换波法在研究辽宁深部构造中的应用 李爱民 (149)
祁连山中东段中强地震发生的天文气象条件 周民都, 郭增建, 许中秋, 等 (155)
施甸 5 级震群前中短—短临的地震活动参数动态演化 李永莉, 蔡静观, 刘丽芳, 等 (158)
中国南北地震带北段近期地应力场动态演化特征与地震活动之关系 陈瑶, 张富芳 (166)
综述
地震层析成像软件 张元生, 李清河, 刘耀炜, 等 (170)
争鸣园地
川青块体及其向南东方向运动的新证据 韩渭宾, 蒋国芳 (175)
短文
南北地震带强震活动的时空关联现象探讨 祝意青, 王双绪, 程宏宾, 等 (179)
地震月报目录数据转换程序的设计和实现 王先, 王庭选 (183)
- * * * *
- 热释光年代测定方法在鱼洞水库地区断层活动性研究中的应用(英文) 唐宇雄, 杨继武, 董必献 (192)

第3期

- 利用数值积分提高一维模型电偶源电磁测深响应计算精度 翁爱华, 王雪秋 (193)
 屏障隔振系统失效机理的探讨 邱 畅, 高广远, 岳中琦, 等 (198)
 用小波变换能量线性度方法识别天然地震与爆破或塌方 刘希强, 沈 萍, 张 玲, 等 (204)
 地震荷载作用下冻土的动力学参数试验研究 吴志坚, 王兰民, 马 巍, 等 (210)
 兰州—民和断陷盆地地热地质条件分析及热储概念模型 郑希民, 王多云, 李凤杰, 等 (215)
 南北地震带应力场演变的数值模拟研究 曹雪峰, 尹京苑, 杨立明 (221)
 硫石钙膜纹层测年数据采集技术的实现方法及可行性分析 郭 华, 郑文俊, 刘百篪 (226)
 硫石钙膜显微纹层定年方法及黄河黑山峡高阶地形成年代厘定 郑文俊, 郭 华, 刘百篪 (233)
 1986年门源地震($M_{S}6.4$)过程地形变演化特征及块体模型解析 陈 兵, 江在森, 张四新, 等 (240)
 地震平静特征与新疆的中强地震 王筱荣 (246)
 华北地区地下流体的两类短期前兆异常 平建军, 张子广, 陈建国, 等 (253)
 甘东南地区中强地震多学科前兆协调性特征研究 曹玲玲, 蒋子琬, 王宗礼 (258)
 航磁资料在工程场地区域稳定性研究中的应用 王新林, 王多杰 (263)
 争鸣园地
 新疆伽师强震群强震主破裂面走向初探 苏 // 秦 (269)
 综述
 北京地磁测网调整与地震预测研究 赵从利, 詹志佳, 高金田, 等 (275)
 静海地磁台天文方位角测量及其质量评估 徐学恭, 尚先旗, 周锦屏 (281)
 短文
 中强地震前天祝电磁波信息变化的初步研究 牛继荣, 张富芳, 王玉华, 等 (286)

第4期

- 2003年10月25日甘肃省民乐—山丹 $M_{S}6.1$ 地震强震近场记录和分析 闵祥仪, 姚 凯, 何新社 (289)
 地震台阵滤波及子台分布对聚束效果的影响(II)——子台分布及聚束效果的分析 刘 旭, 朱元清, 佟玉霞 (293)
 区域震相初至估计 王海军, 靳 平, 刘贵忠, 等 (298)
 岩石圈流变强度与中国大陆构造运动关系的探讨 肖兰喜, 朱元清, 陶九庆, 等 (304)
 鲜水河断裂带北段 GPS 测量及其运动特征 李铁明, 邓志辉, 吕弋培, 等 (312)
 1999年台湾集集大地震预报问题讨论 秦保燕, 姚兰予, 邵永新 (319)
 广西地区中强地震前后环境应力场的时空演变特征 杨仕升, 李柳英, 莫敬业, 等 (326)
 GIS 技术和神经网络模型在地震地质灾害小区划中的应用研究 张苏平, 王兰民, 马尔曼 (331)
 云南7级大震前的中强地震密集现象研究 周 建 (338)
 地震活动加速模型在西北地区的应用 马禾青, 赵卫明, 张文孝, 等 (344)
 青藏高原北部地区地震频度短期异常特征研究 肖丽珠, 杨立明, 李春燕, 等 (348)
 祁连山—六盘山地震带中强地震活动特点及震前异常特征 柴炽章, 马禾青, 金春华 (354)
 青藏高原北部地区地震窗口特征及其预报意义 刘小凤, 梅秀萍, 张小美 (359)
 综述
 基于GIS的防震减灾计算机信息管理及辅助决策系统 周 斌 (365)
 短文
 陕西泾阳地区的地震活动与冯村水库关系探讨 毛 娟, 邢西淳, 邵辉成, 等 (370)
 * * * * *
- 天祝—古浪地震剪切波分裂及电性各向异性变化特征(英文) 阮爱国, 李清河 (379)

NORTHWESTERN SEISMOLOGICAL JOURNAL

Vol. 25, 2003 CONTENTS

No. 1

Study on the Elastic Stress Triggering among the Large Earthquakes in Eastern Kunlun Active Fault Zone	WAN Yong-ge, SHEN Zheng-kang, GAN Wei-jun, et al. (7)	
Discussion on Relationship between Solar Activity and West to Kunlun Mountain Pass $M_{\text{S}}8.1$ Earthquake in 2001	GUO Zeng-jian, HAN Yan-ben, WU Jin-bing (11)	
Analysis on the Satellite Infrared Anomaly Feature before West to Kunlun Mountain Pass $M_{\text{S}}8.1$ Earthquake	KANG Chun-li, CHEN Zheng-wei, CHEN Li-ze, et al. (15)	
Geomagnetic Low-Point Displacement Phenomena and West to Kunlun Mountain Pass $M_{\text{S}}8.1$ Earthquake	DING Jian-hai, YU Su-rong, XIAO Wu-jun (21)	
The Anomalies of Seismicity before West to Kunlun Mountain Pass $M_{\text{S}}8.1$ Earthquake and Its Prediction Significance	WANG Lin-ying, CHEN Pei-yan, LIN Bi-cang, et al. (27)	
The Pregnant Process of West to Kunlun Mountain Pass Earthquake with $M_{\text{S}}8.1$ in 2001 and Seismicity Image Evolution of Moderate Strong Earthquakes	SUN Jia-lin, CAO Jing-quan (34)	
The Preliminary Study on the Stage Division for the Pregnancy and Evolution of West to Kunlun Mountain Pass $M_{\text{S}}8.1$ Earthquake	YANG Li-ming, Cheng Jian-wu (39)	
Preliminary Analysis on Temporal-Spatial Distribution Characteristics of $M \geq 8$ Great Earthquakes in China and Their Effects to Seismicity in Northern China	WANG Zheng-zheng, LIU Hong-gui, MEI Wei-ping, et al. (45)	
Analysis on Seismic Tendency after West to Kunlun Mountain Pass $M_{\text{S}}8.1$ Earthquake	LIU Dong-wang, SHEN Xiao-qi, LIU Ze-min, et al. (51)	
Preliminary Research on the Seismicity in Northern Qinghai-Xizang Plateau after West to Kunlun Mountain Pass $M_{\text{S}}8.1$ Earthquake	LIU Xiao-feng, YANG Li-ming, FAN Bing (58)	
Evolution Characteristics of Seismicity Pattern before West to Kunlun Mountain Pass $M_{\text{S}}8.1$ Earthquake	DONG Zhi-ping (63)	
Study on The Precursor of Deformation and Geotemperature in Qinghai Province before West to Kunlun Mountain Pass $M_{\text{S}}8.1$ Earthquake	ZHANG Xiao-qing, MA Wen-jing (69)	
Relationship between the Strain Data Change from Some Stations in Gansu and Sichuan Provinces and West to Kunlun Mountain Pass $M_{\text{S}}8.1$ Earthquake	GAO Yuan, PU Xiao-wu, CHEN Yan-ping, et al. (73)	
Variation of Gravity Field in Northern China in 1997~2001 and West To Kunlun Mountain Pass $M_{\text{S}}8.1$ Earthquake	LI Qing-lin, QIN Jian-zeng, ZHANG Xiao-pu (76)	
*	*	*
Computer-Added Analogue and Mechanics Analysis on Deformation of Hill Ground Induced by Yongdeng Earthquake in 1995	ZHANG Dong-li, WANG Lan-min (81)	
The Load/Unload Response Ratio of Water Level to Change of Air Pressure	WEI Huan, ZHANG Zhao-dong, GENG Jie, et al. (85)	
Analysis on the Reliability of Precursor Anomaly of Water-Radon in Dingxiang Spring, Shanxi Prov., China	FAN Xue-fang, ZHANG Shu-liang, WANG Ji-yi (88)	
Principal Features of Qiqing $M_{\text{S}}5.3$ Earthquake in Sunan County, Gansu Province on July 11, 2001	YUAN Dao-yang, LIU Xiao-bng, MA Er-man, et al. (92)	
Forecast for Disaster and Gas Explosion in Jixi Colliery	YANG Xue-xiang, SONG Dong-lin, CHEN Zhen (93)	

No. 2

Influence of the Wave Filter and the Distance between Substations to Beam-form in Seismic Array (I)——Wave Filter and the Features of Correlation	LIU Xu, ZHU Yan-qing, TONG Yu-xia (102)
Application of High-dimensional Time Series Analysis with Projection Pursuit in Earthquake Prediction	WANG Qiong, ZHU Ling-ren (111)
Study on the Earth Deformation Field and Its Relation with Crustal Vertical Movement and Earthquake (II)——Convex/concave regions and their relation with crustal movement and earthquake	GUO Wei-dong, TANG Mao-cang (118)
Study on the Deformation Characteristics of River Terraces in Lanzhou and Adjacent Region	LIU Xiao-feng, YUAN Dao-yang, LIU Bai-chi (142)
Applied Study on Information Entropy of Weibull Distribution in Earthquake Prediction	FAN Qi (130)
Application of Least Square Fitting Method to Processing Telluric Data	WANG Lan-wei, ZHAO Jia-liu, XI Ji-lou, et al. (135)
A Preliminary Study on Palaeo-earthquake Events of the Reishui-Riyue Mts. Active Fault Zone in Qinghai Province	

.....	YUAN Dao-yang, LIU Xiao-long, LIU Bai-chi, et al.	(142)
Study on Vertical Deformation and Seismicity in Chinese North-south Seismic Belt and Eastern Qinghai-Xizang Block	ZHANG Si-xin, JIANG Zai-sen, WANG Shang-xu	(148)
Application of Seismic Converted Wave in Explorating Deep Crustal Structure in Liaoning Province	LI Ai-min	(154)
Astronomical and Meteorological Conditions for Medium-strong Earthquakes in Middle-eastern Section of Qilian Mountain Seismic Zone	ZHOU Min-du, GUO Zeng-jian, XU Zhong-qiu, et al.	(165)
Dynamic Evolution of Seismicity Parameters on Mid-short and Short-imminent Tems before Shidian M_{S5} Earthquake Swarm	LI Yong-li, CAI Jing-guan, LIU Li-fang, et al.	(165)
Relationship between the Dynamic Evolution Character of Stress Field and Seismicity in North Part of Chinese North-south Seismic Belt	CHEN Yao, ZHANG Fu-fang	(174)
Overview		
The Seismic Tomography Software	ZHANG Yuan-sheng, LI Qing-he, LIU Yao-wei, et al.	(174)
Academic contention		
New Evidences for Sichuan-Qinghai Crustal Block and Their Movement Towards Southeast	HAN Wei-bin, JIANG Guo-fang	(185)
Research Report in Brief		
Study on Phenomenon of Time-space Association among Strong Earthquakes in Chinese North-south Seismic Belt	ZHU Yi-qing, WNG Shuang-xu, CHENG Hong-bin, et al.	(182)
Design and Realize of Conversion Program for Earthquake Monthly Report List Data	WANG Xian, WANG Ting-xuan	(185)
* * * *		
Application of TL Dating in the Research of Fault Activity in Yudong Reservoir, Yunnan, China	TANG Yu-xiong, YANG Ji-wu, DONG Bi-xian	(186)

No.3

Utilizing Direct Integration to Enhance Calculation Accuracy of 1d Electromagnetic Response for Current Dipole Source	WENG Ai-hua, WANGXue-qiu	(197)
Research on the Failure Mechanism of Barrier for Isolating Vibration	QIU Chang, GAO Guan-gyun, YUE Zhong-qi, et al.	(203)
Using Method of Energy Linearity in Wavelet Transform to Distinguish Explosion or Collapse from Nature Earthquake	LIU Xi-qiang, SHEN Ping, ZHANG Ling, et al.	(209)
Laboratory Study on Dynamics Parameters of Frozen Soil under Seismic Dynamic Loading	WU Zhi-jian, WANG Lan-min, MA Wei, et al.	(214)
Analysis of Geological Conditions on Geotherm and the Conceptual Model of Geothermal Reservoir in Lanzhou Minhe Basin	ZHENG Xi-min, WANG Duo-yun, LI Feng-jie, et al.	(220)
Study of Simulation for the Evolution of Stress Field on North-South Seismic Belt in China	CAO Xue-feng, YIN Jing-yuan, YANG Li-ming	(245)
Realization Method and Feasibility Analysis on Data Collection of Caliche-Lamination Dating	GUO Hua, ZHENG Wen-jun, LIU Bai-chi	(232)
Dating Method of Caliche Micro-Lamination and Dating of High-Terraces in Heishaxia of The Yellow River	ZHENG Wen-jun, GUO Hua, LIU Bai-chi	(239)
Deformation Features of Menyuan Earthquake (M_S 6.4, 1986) and Block Model Analysis	CHEN Bing, JIANG Zai-sen, ZHANG Si-xin, et al.	(245)
Characteristics of Seismic Quiescence and Medium-strong Earthquake in Xinjiang	WANG Xiao-rong	(252)
Two Kinds of Short-term Precursor Anomaly of Underground Fluid in Northern China	PING Jian-jun, ZHANG Zi-guang, CHEN Jian-guo, et al.	(257)
The Harmonious Character of Multi-subject Precursors before Moderate Strong Earthquake in South-east of Gansu Province	CAO Ling-ling, JIANG Zi-wan, WANG Zong-li	(262)
Application of Aerial Magnetic Survey in Study of Regional Tectonic Stability of Engineering Site	WANG Xin-lin, WANG Duojie	(268)
Academic contention		
Preliminary Study on Strike of Main Rupture Surface of Jiashi Strong Earthquake Swarm	SU Nai-qin	(274)
Overview		
Readjustment of Geomagnetic Survey Network and Research on Earthquake Prediction in Beijing Area	ZHAO Cong-li, ZHAN Zhi-jia, GAO Jin-tian, et al.	(280)
Measurement of Astronomic Azimuth Angle in Jinghai Station and Its Quality Evaluation	XU Xue-gong, SHONG Xian-qi, ZHOU Jin-ping	(285)
Research Report in Brief		
Preliminary Study on Information Change of Electromagnetic Wave in Tianzhu Station before Medium-strong Earthquakes	NIU Ji-rong, ZHANG Fu-fang, WANG Yu-hua, et al.	(288)

No. 4

Strong Motion Records and Preliminary Analysis For Minle—Shandan M_S 6.1 Earthquake on Oct. 25, 2003, Gansu Province	MIN Xiang-yi, YAO Kai, HE Xin-she (318)
Influence of the Wave Filter and the Distance Among Substations to Beam-Form in Seismic Array (II)——Analysis on Beam-Form	
Effect and Configuration of Array	LIU Xu, ZHU Yuan-qing, TONG Yu-xia (297)
Accurate Estimation for Arrival Time of Seismic Wave	WANG Hai-jun, JIN Ping, LIU Gui-zhong, et.al (303)
Study on Relation between the Viscosity Coefficients of Lithosphere and Tectonics Movement in China	XIAO Lan-xi, ZHU Yuan-qing, TAO Jiu-qing, et.al (311)
Current Crustal Deformation in North Section of Xianshuihe Fault Constrained by Global Positioning System	LI Tie-ming, DENG Zhi-hui, LUI Yi-pei, et.al (318)
Discussion on the Prediction of Jiji Strong Earthquake in 1999, Taiwan	QIN Bao-yan, YAO lan-yu, SHAO Yong-xin (325)
Evolvement Characters of Ambient Stress Field Before and After Moderate-Strong Earthquakes in Guangxi Area	YANG Shi-sheng, LI Liu-ying, MO Jing-ye (337)
Research on GIS and Neural Network Applying in Microzonation of Seismic Geological Disaster	ZHANG Su-ping, WANG Lan-min, MA Er-man (337)
Study on the Phenomenon of Concentration of Medium-Strong Earthquakes Before $M \geq 7.0$ Earthquakes in Yunnan Province	ZHOU Jian (343)
Application of Seismicity Acceleration Model in Northwest Region of China	MA He-qing, ZHAO Wei-ming, ZHANG Wen-xiao, et.al (369)
Study on Short-Term Anomaly Characteristics of Seismic Frequency in Northern Region of Qinghai—Tibet Plateau	XIAO Li-zhu, YANG Li-ming, LI Chun-yan, et.al (353)
Features of Moderate-Strong Earthquake Activity and Anomalous Features Before Earthquakes in Qilian Mt.—Liupan Mt. Earthquake Belt	CHAI Chi-zhang, MA He-qing, JIN Chun-hua (358)
Characteristics of Seismic Windows Anomaly and Prediction Significance in North Area of Qinghai—Xizang Plateau	LIU Xiao-feng, MEI Xiu-ping, ZHANG Xiao-mei (364)
Overview	
Information Management and Assistant Decision-Making System in Computer Based on GIS for Earthquake Precaution and Decreasing Disaster	ZHOU Bin (369)
Research Report in Brief	
Discussion on Relationship between Seismicity and Fengcun Reservoir in Jingyang Region, Shaanxi Province	MAO Juan, XING Xi-chun, SHAO Hui-cheng, et.al (373)
Temporal Evolution of the Shear-Wave Splitting and the Geo-electrical Anisotropy in Tianzhu—Gulang Earthquake	RUAN Ai-guo, LI Qing-he (374)