



地球物理学报(月刊)

(DIQIU WULI XUEBAO)

国家自然科学基金专项资助期刊

2010年11月 第53卷 第11期

目 次



空间物理学·大气物理学·大地测量学

- 2535 电离层星载阻滞势分析器的误差仿真分析 冯宇波, 王世金, 孔令高
 2544 木星极光区亮斑形成机制 卢斌, 陈出新
 2551 非对称型强飓风中的准平衡流特征分析Ⅱ: 波动结构 钟玮, 陆汉城, 张大林
 2564 不同强度 El Niño 的衰减过程.Ⅱ, 中等和较弱 El Niño 的衰减过程 刘长征, 薛峰
 2574 基于卫星轨道扰动理论的重力反演算法 游为, 沈云中, 范东明, 冉将军

- 2582 基于卫星测高交叉点的海洋表面地转流速度 郭金运, 常晓涛, 黄金维, 孙佳龙, 韩延本
 2590 冰川均衡调整对东亚重力和海平面变化的影响 汪汉胜, 贾路路, WU Patrick, 胡波

地震学·电磁学·地热学·地磁学

- 2603 基于贝叶斯理论的接收函数与环境噪声联合反演 刘启元, 李昱, 陈九辉,
 van der Hilst R. D., 郭巍, 王峻, 齐少华, 李顺成

- 2613 2010年玉树7.1级地震震源区横波分裂的变化特征 常利军, 丁志峰, 王椿镛

- 2620 sPL, 一个近距离确定震源深度的震相 崇加军, 倪四道, 曾祥方

- 2631 川西藏东地区的地壳均衡异常及其与地震分布的关系 张永谦, 王谦身, 滕吉文

- 2639 川滇地区未来强震预测与汶川Mw7.9级地

- 震孕震过程分析 秦四清, 薛雷, 徐锡伟, 黄鑫, 王媛媛, 洪晓华

- 2651 水库诱发地震时空演化与库水加卸载及渗透过程的关系——以紫坪铺水库为例 周斌, 薛世峰, 邓志辉, 孙峰, 蒋海昆, 张晓东, 卢显

- 2671 硬石膏断层带摩擦稳定性转换与微破裂特征的实验研究 缪阿丽, 马胜利, 周永胜

- 2681 高温高压下麻粒岩电导率研究 郭颖星, 王多君, 李和平, 刘在洋, 于英杰

- 2688 提取地震热异常信息的功率谱相对变化法及震例分析 郭晚, 张元生, 钟美娇, 沈文荣, 魏从信

- 2696 利用地震数据反演海水温盐结构 宋洋, 宋海斌, 陈林, 董崇志, 黄兴辉

- 2703 大地电磁资料精细处理和二维反演解释技术研究(二)——反演数据极化模式选择 蔡军涛, 陈小斌

- 2715 基于MNS技术的三维大地电磁场正演模拟方法研究 张罗磊, 于鹏, 王家林, 陈晓, 李洋

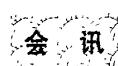
- 2724 基于地磁场的自主导航研究 王向磊, 田颜锋

应用地球物理学

- 2732 共反射角叠前偏移成像研究及应用 王西文, 刘文卿, 王宇超, 吕彬, 高建虎, 张小美, 汪清辉, 胡自多

- 2739 单程波李代数深度积分的精度分析和算法改进 张廉萍, 刘洪, 李幼铭

- 2747 基于预测编码算法的地震勘探数据无失真压缩理论与方法 张正炳,桂志先
- 2754 可控震源匹配扫描方法研究 王忠仁,高健,林君
- 2760 基于拉东变换的瑞雷面波频散分析与应用 潘冬明,胡明顺,崔若飞,李娟娟
- 2767 非轴对称套管井中声场的并行有限差分模拟 宋若龙,刘金霞,姚桂锦,马俊,王克协
- 2776 SURE 算法在核磁共振信号去噪中的实现
- 谢庆明,肖立志,廖广志
- 2784 中国地球物理学会、中国地震学会联合学术大会纪要 中国地球物理学会、中国地震学会联合学术大会学术委员会
- 2785 2010 年度《地球物理学报》编委会会议纪要 《地球物理学报》编辑部





Supported by NNSFC

CHINESE JOURNAL OF GEOPHYSICS

(Monthly) Vol. 53 No. 11 Nov., 2010



Contents

Space physics • Atmospheric physics • Geodesy

- 2535** Simulation analysis of errors from ionosphere satellite-borne retarding potential analyzer
...FENG Yu-Bo, WANG Shi-Jin, KONG Ling-Gao
- 2544** The causation of bright spots polarward of Jupiter's aurora oval LU Bin, CHEN Chu-Xin
- 2551** The diagnoses of quasi-balanced flows in asymmetric intense hurricane. Part I : Wave structure
...ZHONG Wei, LU Han-Cheng, ZHANG Da-Lin
- 2564** The decay of El Niño with different intensity. Part I , The decay of the moderate and relatively-weak El Niño LIU Chang-Zheng, XUE Feng
- 2574** The algorithm of Earth's gravitational field recovery based on satellite's orbital perturbation theory
..... YOU Wei, SHEN Yun-Zhong, FAN Dong-Ming, RAN Jiang-Jun
- 2582** Oceanic surface geostrophic velocities determined with satellite altimetric crossover method ...GUO Jin-Yun, CHANG Xiao-Tao, HWANG Cheinway, SUN Jia-Long, HAN Yan-Ben
- 2590** Effects of global glacial isostatic adjustment on the secular changes of gravity and sea level in East Asia WANG Han-Sheng, JIA Lu-Lu, WU Patrick, HU Bo

Seismology • Magnetotelluric • Geothermics • Geomagnetism

- 2603** Joint inversion of receiver function and ambient noise based on Bayesian theory LIU Qi-Yuan, LI Yu, CHEN Jiu-Hui, van der Hilst R. D., GUO Biao, WANG Jun, QI Shao-Hua, LI Shun-Cheng
- 2613** Variations of shear wave splitting in the 2010 Yushu

M,7.1 earthquake region CHANG Li-Jun, DING Zhi-Feng, WANG Chun-Yong

2620 sPL, an effective seismic phase for determining focal depth at near distance CHONG Jia-Jun, NI Si-Dao, ZENG Xiang-Fang

2631 The crustal isostatic anomaly beneath eastern Tibet and western Sichuan and its relationship with the distribution of earthquakes ZHANG Yong-Qian, WANG Qian-Shen, TENG Ji-Wen

2639 A prediction of strong earthquakes in the Sichuan and Yunnan regions and analysis of the seismogenic process of the Wenchuan $M_w 7.9$ earthquake
..... QIN Si-Qing, XUE Lei, XU Xi-Wei, HUANG Xin, WANG Yuan-Yuan, PAN Xiao-Hua

2651 Relationship between the evolution of reservoir-induced seismicity in space-time and the process of reservoir water body load-unloading and water infiltration—a case study of Zipingpu reservoir ZHOU Bin, XUE Shi-Feng, DENG Zhi-Hui, SUN Feng, JIANG Hai-Kun, ZHANG Xiao-Dong, LU Xian

2671 Experimental study on frictional stability transition and micro-fracturing characteristics for anhydrite fault zones MIAO A-Li, MA Sheng-Li, ZHOU Yong-Sheng

2681 The electrical conductivity of granulite at high temperature and high pressure ...GUO Ying-Xing, WANG Duo-Jun, LI He-Ping, LIU Zai-Yang, YU Ying-Jie

2688 Variation characteristics of OLR for the Wenchuan earthquake GUO Xiao, ZHANG Yuan-Sheng, ZHONG Mei-Jiao, SHEN Wen-Rong, WEI Cong-Xin

2696 Sea water thermohaline structure inversion from seismic data SONG Yang, SONG Hai-Bin, CHEN Lin, DONG Chong-Zhi, HUANG Xing-Hui

- 2703 Refined techniques for data processing and two-dimensional inversion in magnetotelluric I : Which data polarization mode should be used in 2D inversion CAI Jun-Tao, CHEN Xiao-Bin
- 2715 Study of three-dimensional MT forward modeling based on MNS technique ZHANG Luo-Lei, YU Peng, WANG Jia-Lin, CHEN Xiao, LI Yang
- 2724 Autonomous navigation based Geomagnetic research WANG Xiang-Lei, TIAN Yan-Feng
- 2732 Research and application of common reflection angle domain pre-stack migration WANG Xi-Wen, LIU Wen-Qing, WANG Yu-Chao, LÜ Bin, GAO Jian-Hu, ZHANG Xiao-Mei, WANG Qing-Hui, HU Zi-Duo
- 2739 The precision analysis and algorithm improvement in WANG Xiang-Lei, TIAN Yan-Feng
- 2747 Lie algebra depth integral of one-way seismic wave ZHANG Lian-Ping, LIU Hong, LI You-Ming
- 2754 Lossless compression of SEG Y header identification ZHANG Zheng-Bing, GUI Zhi-Xian
- 2760 Matched sweep method for seismic vibrators WANG Zhong-Ren, GAO Jian, LIN Jun
- 2766 Dispersion analysis of Rayleigh surface waves and application based on Radon transform PAN Dong-Ming, HU Ming-Shun, CUI Ruo-Fei, LI Juan-Juan
- 2767 Parallel finite difference modeling of acoustic fields in nonaxisymmetric cased hole SONG Ruo-Long, LIU Jin-Xia, YAO Gui-Jin, MA Jun, WANG Ke-Xie
- 2776 Application of SURE algorithm to echo train de-noising in low field NMR logging XIE Qing-Ming, XIAO Li-Zhi, LIAO Guang-Zhi