

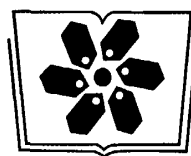


地球物理学报 (月刊)

(DIQIU WULI XUEBAO)

2011年5月 第54卷 第5期

中国科学院科学出版基金资助项目



国家自然科学基金专项资助期刊

目次

大气物理学·大地测量学

- 1141 南海台风与上层海洋相互作用的数值模拟研究 关皓,王汉杰,周林,杨松
- 1150 城市化对北京气象站极端气温指数趋势变化的影响 张雷,任国玉,刘江,周雅清,任玉玉,张爱英,冯亚文
- 1160 华北地区降水事件变化和暴雨事件减少原因分析 郝立生,闵锦忠,丁一汇
- 1168 合肥地区沙尘暴降尘过程的大气细粒子谱观测研究 王杰,刘建国,陆亦怀,桂华侨,伍德侠,程寅
- 1174 平流层气溶胶的准两年周期特征分析 周任君,刘鹏兵,周文,蔡宏珂,陈月娟
- 1182 引力梯度归算的模拟计算 于锦海,万晓云
- 1187 卫星重力捕捉龙滩水库储水量变化 詹金刚,王勇
- 1193 CRInSAR 与 PSInSAR 联合探测区域线性沉降研究 邢学敏,丁晓利,朱建军,汪长城,丁伟,杨亚夫,王永哲

地震学·地球动力学·地磁学·地热学

- 1205 青藏高原东缘强烈盆山相互作用区的地壳各向异性特征及其动力学意义探讨 孙长青,陈赞,高尔根
- 1215 长白山天池火山区介质速度非均匀性谱结构 范小平,李清河,杨从杰,金淑梅
- 1222 云南壳幔 S 波速度结构与强震的构造背景 张晓曼,胡家富,胡毅力,杨海燕,陈佳,彭恒初,文丽敏

- 1233 FMTT 方法研究华北及邻区上地幔 P 波速度结构 张风雪,李永华,吴庆举,丁志峰
- 1243 反投影全球子台网 P 波记录研究 2010 年 4 月 14 日玉树地震破裂过程 徐彦,张俊伟,苏有锦
- 1251 三河—平谷 8.0 级地震区地壳结构和活动断裂研究——利用单次覆盖深反射和浅层地震剖面 刘保金,张先康,陈颢,鄧少英,姬计法,袁洪克,左莹
- 1260 铲形逆冲断层地震破裂动力学模型及其在汶川地震研究中的启示 陶玮,胡才博,万永革,沈正康,王康
- 1270 地震波速度约束的大横向黏度变化的地幔对流研究 朱涛,王兰炜,冯锐
- 1285 南海北部神狐海域天然气水合物形成聚集的数值模拟研究 何丽娟,雷兴林,张毅
- 1293 利用反射地震数据和 XBT 数据联合反演海水的温盐分布 黄兴辉,宋海斌, Luis M. Pinheiro,拜阳
- 1301 内蒙古锡林浩特—东乌旗剖面壳幔电性结构研究 徐新学,李俊健,刘俊昌,辛建伟,代涛,牛永强,张丽
- 1310 黄土高原西北缘末次冰期晚期以来黄土沉积物的岩石磁学性质 孙玉芳,强小科,徐新文,李续彬,李鹏,赵辉
- 1319 江西九庐公路红土剖面的磁学特征及其反映的风化成土作用 胡志行,朱丽东,张卫国,叶玮

应用地球物理学

- 1327 角度域弹性波 Kirchhoff 叠前深度偏移速度

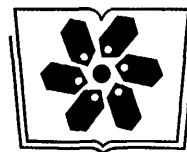
- 分析方法 杜启振,李 芳,侯 波,
秦 童,毕丽飞
- 1340 基于速度估计的改进型线性变换有限差分偏
移在探地雷达中的应用
..... 冯德山,张 彬,戴前伟,陈德鹏
- 1348 Biot 流动和喷射流动耦合作用下波传播的
FCT 紧致差分模拟
..... 杨宽德,宋国杰,李静爽
- 1358 压制地震勘探随机噪声的分段时频峰值滤波
方法 林红波,李 月,徐学纯
- 1367 大型地下含水体对地震波特殊反射规律的现
场正演试验研究 ...张 霄,李术才,张庆松,
薛翊国,刘人太,孙克国,张 波,赵 岩
- 1375 用最小二乘两步迭代法求解磁性球体几何与
磁性参数 ...卞光浪,翟国君,范 龙,黄贤源
- 1384 瞬变电磁拟地震子波宽度压缩研究
... 薛国强,李 继,戚志鹏,范 涛,周楠楠
- 1391 用并矢 Green 函数的矢量本征函数展开式模
拟随钻感应测井仪器的响应
..... 魏宝君,王莎莎,耿永峰



Supported by NNSFC

CHINESE JOURNAL OF GEOPHYSICS

(Monthly) Vol. 54 No. 5 May, 2011



中国科学院科学出版基金资助项目

Contents

Atmospheric physics • Geodesy

- 1141 A numerical simulation study on the typhoon-ocean interaction in the South China Sea GUAN Hao, WANG Han-Jie, ZHOU Lin, YANG Song
- 1150 Urban effect on trends of extreme temperature indices at Beijing Meteorological Station ZHANG Lei, REN Guo-Yu, LIU Jiang, ZHOU Ya-Qing, REN Yu-Yu, ZHANG Ai-Ying, FENG Ya-Wen
- 1160 Analysis of precipitation events changes and causes for rainstorm events reduction in North China HAO Li-Sheng, MIN Jin-Zhong, DING Yi-Hui
- 1168 Particle number size distribution of dustfall aerosol in the suburban area of Hefei WANG Jie, LIU Jian-Guo, LU Yi-Huai, GUI Hua-Qiao, WU De-Xia, CHENG Yin
- 1174 The analysis of Quasi-Biennial Oscillation characteristics of Stratospheric Aerosol ZHOU Ren-Jun, LIU Peng-Bing, ZHOU Wen, CAI Hong-Ke, CHEN Yue-Juan
- 1182 Reduction for gradiometry and corresponding imitation YU Jin-Hai, WAN Xiao-Yun
- 1187 Detect water storage variation of Longtan Reservoir with GRACE data ZHAN Jin-Gang, WANG Yong
- 1193 Detecting the regional linear subsidence based on CRInSAR and PSInSAR integration
... XING Xue-Min, DING Xiao-Li, ZHU Jian-Jun, WANG Chang-Cheng, DING Wei, YANG Ya-Fu, WANG Yong-Zhe

Seismology • Geodynamics • Geomagnetism • Geothermics

- 1205 The crustal anisotropy and its geodynamical significance

of the strong basin-range interaction zone beneath the east margin of Qinghai-Tibet plateau

... SUN Chang-Qing, CHEN Yun, GAO Er-Gen

- 1215 Spectral structure of velocity inhomogeneity of crust medium in Changbaishan Tianchi volcano

..... FAN Xiao-Ping, LI Qing-He, YANG Cong-Jie, JIN Shu-Mei

- 1222 The S-wave velocity structure in the crust and upper mantle as well as the tectonic setting of strong earthquake beneath Yunnan region ZHANG Xiao-Man, HU Jia-Fu, HU Yi-Li, YANG Hai-Yan, CHEN Jia, PENG Heng-Chu, WEN Li-Min

- 1233 The P wave velocity structure of upper mantle beneath the North China and surrounding regions from FMTT

..... ZHANG Feng-Xue, LI Yong-Hua, WU Qing-Ju, DING Zhi-Feng

- 1243 Imaging the rupture of 14 April, 2010 Yushu earthquake using back-projection of global subarray P-waves

..... XU Yan, ZHANG Jun-Wei, SU You-Jin

- 1251 Research on crustal structure and active fault in the Sanhe-Pinggu Earthquake (M8.0) Zone based on single-fold deep seismic reflection and shallow seismic reflection profiling LIU Bao-Jin, ZHANG Xian-Kang, CHEN Yong, FENG Shao-Ying, JI Ji-Fa, YUAN Hong-Ke, ZUO Ying

- 1260 Dynamic modeling of thrust earthquake on listric fault and its inference to study of Wenchuan earthquake

..... TAO Wei, HU Cai-Bo, WAN Yong-Ge, SHEN Zheng-Kang, WANG Kang

- 1270 Studies on large lateral variable viscosity mantle convection constrained by seismic wave velocity

..... ZHU Tao, WANG Lan-Wei, FENG Rui

- 1285 Numerical modeling of gas hydrate accumulation in the marine sediments of Shenhu Area, Northern South China Sea HE Li-Juan, LEI Xing-Lin, ZHANG Yi
- 1293 Ocean temperature and salinity distributions inverted from combined reflection seismic and XBT data HUANG Xing-Hui, SONG Hai-Bin, Luis M. Pinheiro, BAI Yang
- 1301 The crust-upper mantle electrical structure along Xilinhong-Dongwuqi section XU Xin-Xue, LI Jun-Jian, LIU Jun-Chang, XIN Jian-Wei, DAI Tao, NIU Yong-Qiang, ZHANG Li
- 1310 Rock magnetism of loess sediments in northwestern margin of Chinese Loess Plateau since the late last glaciation SUN Yu-Fang, QIANG Xiao-Ke, XU Xin-Wen, LI Xu-Bin, LI Peng, ZHAO Hui
- 1319 Magnetic properties of red clay section along the Jiu-Lu highway at Jiujiang, Jiangxi and implications for pedogenesis HU Zhong-Xing, ZHU Li-Dong, ZHANG Wei-Guo, YE Wei
- 1327 Angle-domain migration velocity analysis based on elastic-wave Kirchhoff prestack depth migration DU Qi-Zhen, LI Fang, HOU Bo, QIN Tong, BI Li-Fei
- 1340 The application of the improved linear transformation of finite difference migration based on the velocity estimation in the GPR data processing FENG De-Shan, ZHANG Bin, DAI Qian-Wei, CHEN De-Peng
- 1348 FCT compact difference simulation of wave propagation based on the Biot and the squirt-flow coupling interaction ... YANG Kuan-De, SONG Guo-Jie, LI Jing-Shuang
- 1358 Segmenting time-frequency peak filtering method to attenuation of seismic random noise LIN Hong-Bo, LI Yue, XU Xue-Chun
- 1367 Field-testing study on seismic reflection response of large-scale underground water-bearing body ... ZHANG Xiao, LI Shu-Cai, ZHANG Qing-Song, XUE Yi-Guo, LIU Ren-Tai, SUN Ke-Guo, ZHANG Bo, ZHAO Yan
- 1375 Applying two-step iterative least square approach to determine the geometry and physical parameters of magnetic sphere sources BIAN Guang-Lang, ZHAI Guo-Jun, FAN Long, HUANG Xian-Yuan
- 1384 Study of sharpening the TEM pseudo-seismic wave-form XUE Guo-Qiang, LI Xiu, QI Zhi-Peng, FAN Tao, ZHOU Nan-Nan
- 1391 Simulating the response of induction logging-while-drilling tools by vector eigenfunction expansion formulae for dyadic Green's functions WEI Bao-Jun, WANG Sha-Sha, OU Yong-Feng

Applied geophysics