

# 大地测量与地球动力学

2020 年 9 月

第 40 卷第 9 期

## 目次

### 现代大地测量

大规模 GNSS 网数据处理一体化方案与中国大陆水平格网速度场模型构建研究

..... 王 虎 任营营 连丽珍 王解先 成英燕 王永哲(881)

全球系统广播电离层模型精度分析..... 毛 悦 朱永兴 宋小勇(888)

北斗系统电离层修正抗扰动能力分析..... 姜 意 刘 宸 罗方妩 赵华凯(892)

湖北地区现今 GPS 形变特征研究 ..... 鲁小飞 谭 凯 李 琦 王东振 赵 斌 余建胜(898)

基于 Sentinel-1 数据的银川盆地现今地壳形变研究

..... 张文婷 季灵运 朱良玉 徐晓雪 王金烁(902)

基于 GM(1,1)+AR 模型的钟差短期预报改进算法研究 ..... 郭忠臣 孙 朋 李致春(907)

融合混沌残差的 BP 强预测器的地表下沉预测模型

..... 陈兴达 余学祥 池深深 蒋 创 赵祥硕(913)

### 地震地质

2017-08-09 精河 6.6 级地震序列视应力特征研究..... 郭 寅 李 金(918)

2015-04-15 阿拉善左旗 5.8 级地震前后构造应力场研究..... 李 娟 韩晓明 张 帆(923)

基于流固耦合理论的三峡库首区蓄水后附加应力场研究..... 虞金鑫 王秋良 赵艳南(928)

山东乳山地区余震分布与速度结构研究..... 李 铂 张正帅 崔 鑫 刘承雨 于 澄(931)

重庆地区三维 P 波速度结构成像研究 ..... 陈 凯 易 江 孙国栋 李光科 王同军(936)

龙泉山西麓山前断裂浅部构造特征及活动性..... 张 威 周荣军 何玉林 刘 韶 马 超(942)

### 地球物理解释

青藏高原大尺度地表流体的重力效应特征分析

..... 朱传东 刘金钊 陈 铭 陈兆辉 张 品 张双喜(947)

基于移去-恢复法的局部似大地水准面精化模型对比研究 ..... 李明飞 吴军超 秦 川(952)

基于 GPS TEC 的尼泊尔  $M_w 7.8$  地震同震电离层扰动研究 ..... 马 玉 祝芙英(957)

### 观测技术

九寨沟  $M_s 7.0$  地震应急流动台站噪声水平分析 ..... 谢江涛 林丽萍 谌 亮(962)

钻孔应变观测原位标定方法研究进展..... 胡智飞 张康华 田家勇(970)

基于 PID 反馈的两级超低频隔振系统理论分析及仿真 ..... 胡远旺 邹 彤 张 黎 马武刚(976)

绝对重力仪激光器光纤对准调节方法概述..... 任敏拴 商永杰 郑文科 康胜军 赵 丕(981)

基于全站仪交会测量的空间距离校准装置测量方法..... 彭友志 张 鑫 何浩鹏(985)

本期责任编辑:魏玉芳

[期刊基本参数]:CN42-1655/P \* 1981 \* M \* A4 \* 112 \* ZH+EN \* P \* 15.00 \* 1000 \* 21 \* 2020-09

## Contents

Research on an Integrational Scheme of Large-Scale GNSS Network Data Processing and Establishment of the Horizontal Grid Velocity Field Model in Chinese Mainland	
..... WANG Hu REN Yingying LIAN Lizhen WANG Jiexian CHENG Yingyan WANG Yongzhe	(881)
Accuracy Analysis of Broadcast Ionosphere Model of Global Navigation Satellite System	
..... MAO Yue ZHU Yongxing SONG Xiaoyong	(888)
Analysis of Anti-Disturbance Capability of Ionospheric Correction for BDS	
..... JIANG Yi LIU Chen LUO Fangyuan ZHAO Huakai	(892)
Study on Present GPS Deformation Characteristics of Hubei Province	
..... LU Xiaofei TAN Kai LI Qi WANG Dongzhen ZHAO Bin YU Jiansheng	(898)
Current Crustal Deformation of Yinchuan Basin Based on Sentinel-1 Data	
..... ZHANG Wenting JI Lingyun ZHU Liangyu XU Xiaoxue Wang Jinshuo	(902)
Research on the Improved Algorithm of Clock Bias Short-Term Prediction Based on GM(1,1)+AR Model	
..... GUO Zhongchen SUN Peng LI Zhichun	(907)
Surface Subsidence Prediction Model of BP Strong Predictor Fusing Chaos Residuals	
..... CHEN Xingda YU Xuexiang CHI Shengsheng JIANG Chuang ZHAO Xiangshuo	(913)
Apparent Stress Characteristics of Jinghe Ms6.6 Earthquake Sequence on Aug 9, 2017	..... GUO Yin LI Jin (918)
Research on the Tectonic Stress Field before and after the April 15,2015 Alxa Left Banner Ms5.8 Earthquake	
..... LI Juan HAN Xiaoming ZHANG Fan	(923)
Stress Field of the Three Gorges Based on Fluid-Solid Coupling Simulation	
..... YU Jinxin WANG Qiuliang ZHAO Yannan	(928)
Research on Velocity Structure and Aftershock Distribution of Shandong Rushan	
..... LI Bo ZHANG Zhengshuai CUI Xin LIU Chengyu YU Cheng	(931)
Research on 3D P-wave Velocity Structure Imaging in Chongqing Area	
..... CHEN Kai YI Jiang SUN Guodong LI Guangke WANG Tongjun	(936)
Characteristic of Shallow Structure and Fault Activity in Western Piedmont of Longquanshan	
..... ZHANG Wei ZHOU Rongjun HE Yulin LIU Shao MA Chao	(942)
The Analysis on Characteristics of Gravity Effect of Large-Scale Surface Fluid in Qinghai-Tibetan Plateau	
..... ZHU Chuandong LIU Jinzhao CHEN Ming CHEN Zhaohui ZHANG Pin ZHANG Shuangxi	(947)
Analysis and Comparison of Local Quasi Geoid Refinement Model Based on Remove-Restore Method	
..... LI Mingfei WU Junchao QIN Chuan	(952)
Research on Co-Seismic Ionospheric Disturbance due to the Nepal Mw7.8 Earthquake Based on GPS TEC	
..... MA Yu ZHU Fuying	(957)
Ambient Noise Level of Ms7.0 Jiuzhaigou Earthquake Emergency Mobile Stations	
..... XIE Jiangtao LIN Liping CHEN Liang	(962)
A Review of In-Situ Calibration Method for Borehole Strainmeter Observation	
..... HU Zhiwei ZHANG Kanghua TIAN Jiayong	(970)
Analysis and Simulation of Two-Stage Ultra-Low Frequency Vibration Isolation System Based on PID Feedback	
..... HU Yuanwang ZOU Tong ZHANG Li MA Wugang	(976)
Overview of the Adjustment Method of Laser Fiber Alignment for Absolute Gravimeter	
..... REN Minshuan SHANG Yongjie ZHENG Wenke KANG Shengjun ZHAO Pi	(981)
A Measuring Method for Space Distance Calibration Field Based on Total Station Intersection Survey	
..... PENG Youzhi ZHANG Xin HE Haopeng	(985)