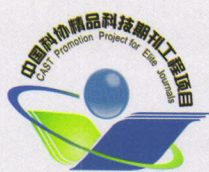


双月刊



ISSN 1001-1595

CN 11-2089/P

CODEN CEXUER

# 测绘学报

4/2013

第42卷 第4期 Vol.42 No.4

**ACTA GEODAETICA et  
CARTOGRAPHICA SINICA**

国内邮发代号: 2-224

国外发行代号: Q615

定价: 30.00



# 测 绘 学 报

2013 年 8 月 第 42 卷 第 4 期

## 目 次

### [学术论文]

- 基于矩谱分析的航空重力向下延拓 ..... 蒋 涛,党亚民,章传银,刘站科 (475)
- 基于压缩感知的地磁数据分频压缩与重构方法 ..... 刘黎明,张迎发,李 艳,姚建奇 (481)
- 顾及分段相似性的同震形变时间序列恒星日滤波优化算法 ..... 沈 飞,李建成,张小红,束蝉方 (487)
- 联合多代卫星测高数据构建中国近海及邻域海平面异常序列 ..... 孙 文,王庆宾,朱志大 (493)
- 利用超导重力数据检测汶川地震激发的球型地球自由振荡 ..... 许 闯,罗志才,周波阳,林 旭 (501)
- 光谱与空间局部相关的 SVR 影像融合方法 ..... 王慧贤,江万寿,雷呈强,张一鸣 (508)
- 资源三号测绘卫星传感器校正产品几何模型  
..... 潘红播,张 过,唐新明,周 平,蒋永华,祝小勇,江万寿,许妙忠,李德仁 (516)
- 资源三号测绘卫星三线阵影像高精度几何检校 ..... 蒋永华,张 过,唐新明,祝小勇,秦前清,李德仁,付兴科 (523)
- 利用全极化 SAR 数据去方位向模糊的舰船目标检测方法 ..... 魏钜杰,李平湘,杨 杰,张继贤 (530)
- 基于面特征的遥感图像几何校正模型 ..... 龙腾飞,焦伟利,王 威 (540)
- 洪水淹没分析中的自适应逐点水位修正算法 ..... 丁雨淋,杜志强,朱 庆,张叶廷 (546)
- 天线方向图未知的机载 SAR 图像增强 ..... 燕 琴,靳国旺,张继贤,黄国满 (554)
- 一种遥感图像信噪比评估和度量准则 ..... 傅 鹏,孙权森,纪则轩,陈 强 (559)
- 地面激光点云强度噪声的三维扩散滤波方法 ..... 张 毅,闫 利 (568)
- 一种基于等高线的地形特征线提取方法 ..... 张 尧,樊 红,李玉娥 (574)
- 顾及道路目标 stroke 特征保持的路网自动综合方法 ..... 杨 敏,艾廷华,周 启 (581)
- 面状要素的多层次骨架线提取 ..... 刘小凤,吴艳兰,胡 海 (588)
- 顾及地理特征保持的湖谷海岸线化简算法 ..... 黄亚锋,艾廷华,刘耀林,张航峰 (595)
- 曲线弯曲的多叉树表达 ..... 操震洲,李满春,程 亮 (602)
- 基于结构模式的道路网节点匹配方法 ..... 栾学晨,杨必胜,李秋萍 (608)
- 面向多重空间冲突解决的移位场模型 ..... 周 启,艾廷华,张 翔 (615)
- 消息传递接口环境下等高线简化并行计算适宜性研究 ..... 沈 婕,郭立帅,朱 伟,顾乃杰 (621)

### [博士论文摘要]

- 空间群(组)目标相似关系及计算模型研究 ..... 刘 涛 (629)
- 总体最小二乘平差理论及其在测绘数据处理中的应用 ..... 鲁铁定 (630)
- 高精度 GNSS 单点定位模型质量控制及预警 ..... 许长辉 (631)
- 地图空间信息量的度量方法研究 ..... 刘慧敏 (632)

期刊基本参数:CN11-2089/P \* 1957 \* b \* A4 \* 158 \* zh+en \* P \* ¥30.00 \* \* 22 \* 2013-08

CONTENTS

Downward Continuation of Airborne Gravity Data Based on Rectangular Harmonic Analysis  
 ..... JIANG Tao, DANG Yamin, ZHANG Chuanyin, LIU Zhanke (475)

Geomagnetic Data Frequency Divisive Compression and Reconstruction Based on Compressed Sensing  
 ..... LIU Fanming, ZHANG Yingfa, LI Yan, YAO Jianqi (481)

The Improved Sidereal Filtering of Time Series Considering Segments' Similarity in Coseismic Displacement  
 ..... SHEN Fei, LI Jiancheng, ZHANG Xiaohong, SHU Chanfang (487)

Sea Level Anomaly Series in China Sea and Its Vicinity Based on Multi-generation Satellite Altimetric Data  
 ..... SUN Wen, WANG Qingbin, ZHU Zhida (493)

Detecting Spheroidal Modes of Earth's Free Oscillation Excited by Wenchuan Earthquake Using Superconducting Gravity Observations  
 ..... XU Chuang, LUO Zhicai, ZHOU Boyang, LIN Xu (501)

A Robust SVR Image Fusion Method Based on Local Spectral and Spatial Correlation  
 ..... WANG Huixian, JIANG Wanshou, LEI Chengqiang, ZHANG Yiming (508)

The Geometrical Model of Sensor Corrected Products for ZY-3 Satellite  
 ..... PAN Hongbo, ZHANG Guo, TANG Xinming, ZHOU Ping, JIANG Yonghua, ZHU Xiaoyong, JIANG Wanshou, XU Miaozechong, LI Deren (516)

High Accuracy Geometric Calibration of ZY-3 Three-line Image  
 ..... JIANG Yonghua, ZHANG Guo, TANG Xinming, ZHU Xiaoyong, QIN Qianqing, LI Deren, FU Xingke (523)

Removing the Effects of Azimuth Ambiguities on Ships Detection Based on Polarimetric SAR Data  
 ..... WEI Jujie, LI Pingxiang, YANG Jie, ZHANG Jixian (530)

The Area-based Geometric Correction Model for Remote Sensing Image  
 ..... LONG Tengfei, JIAO Weili, WANG Wei (540)

Adaptive Water Level Correction Algorithm for Flooding Analysis  
 ..... DING Yulin, DU Zhiqiang, ZHU Qing, ZHANG Yeting (546)

Enhancement of Airborne SAR Images without Antenna Pattern  
 ..... YAN Qin, JIN Guowang, ZHANG Jixian, HUANG Guoman (554)

A Method of SNR Estimation and Comparison for Remote Sensing Images  
 ..... FU Peng, SUN Quansen, JI Zexuan, CHEN Qiang (559)

3D Diffusion Filtering Method of Intensity Noise for Terrestrial Laser Scanning Point Cloud  
 ..... ZHANG Yi, YAN Li (568)

A Method of Terrain Feature Extraction Based on Contour  
 ..... ZHANG Yao, FAN Hong, LI Yu'e (574)

A Method of Road Network Generalization Considering Stroke Properties of Road Object  
 ..... YANG Min, AI Tinghua, ZHOU Qi (581)

A Method of Extracting Multiscale Skeletons for Polygonal Shapes  
 ..... LIU Xiaofeng, WU Yanlan, HU Hai (588)

Geographic-Feature Oriented Ria Coastline Simplification  
 ..... HUANG Yafeng, AI Tinghua, LIU Yaolin, ZHANG Hangfeng (595)

Multi-way Trees Representation for Curve Bends  
 ..... CAO Zhenzhou, LI Manchun, CHENG Liang (602)

Pattern-based Node Matching Approach for Road Networks  
 ..... LUAN Xuechen, YANG Bisheng, LI Qiuping (608)

A Displacement Field Model to Resolve Multiple Spatial Conflicts  
 ..... ZHOU Qi, AI Tinghua, ZHANG Xiang (615)

Parallel Computing Suitability of Contour Simplification Based on MPI  
 ..... SHEN Jie, GUO Lishuai, ZHU Wei, GU Naijie (621)

Similarity of Spatial Group Objects  
 ..... LIU Tao (629)

Research on the Total Least Squares and Its Applications in Surveying Data Processing  
 ..... LU Tieding (630)

Modeling Quality Control and Warning System of High-Accuracy GNSS Point Positioning  
 ..... XU Changhui (631)

Methods of Measuring the Spatial Information Content of a Map  
 ..... LIU Huimin (632)