

SZT-R250

轻型中测程车机载一体化移动测量系统

激光雷达的

变革



超轻巧



中测程



高精度



高效率



多平台

超轻巧：多传感器集成，整机仅 2.2 kg

中测程：扫描测程 250 m

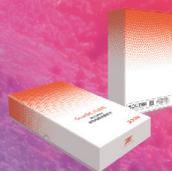
高精度：GNSS+INS和激光扫描技术，测量精度高

高效率：高速运转的扫描仪以及稳定连续的定位系统，工作效率极高

多平台：系统可实现无人机、汽车、肩背等多平台搭载



SZT-R250



SouthLidar

南方三维激光地形地籍成图软件



总部地址：广州市天河区思成路39号南方测绘地理信息产业园7楼
TEL:020-23380888 FAX:020-23380800

400-7000-700
www.southsurvey.com

主管：黑龙江测绘地理信息局

主办：黑龙江省测绘地理信息学会

出版：《测绘与空间地理信息》编辑部

协办：新疆维吾尔自治区基础地理信息中心
(其他协办单位详见内文)

全国优秀测绘期刊

《中国核心期刊(遴选)数据库》收录期刊

中国学术期刊综合评价数据库统计源期刊

《CAJ-CD规范》执行优秀期刊

中国期刊全文数据库全文收录期刊

2019 8

(月刊)

Vol.42 No.8

目次

2019年第8期(总第42卷第244期)

博士园地

- 基于熵权的小波去噪评价指标
..... 高山,李沁声(1)
- 基于时空云平台的移动办事指南系统设计与实现
..... 张鹏程,列键佳,杨梅(5)
- 基于Android平台的通州区国土规划一张图系统建立
..... 任东风,董华飞(8)
- 生态观测台站综合管理信息系统研发
..... 周玉科(11)
- 基于GIS的珠海市中心城区酒店空间布局研究
..... 陈红顺,肖红玉,杨永平(15)

基金项目专栏

- 地下管线普查数据质量检查及深度方法研究
..... 陈勇,张宪政,李晓静(19)
- 基于改进SIFT算法的多源遥感影像特征匹配
..... 李瑞霖(23)
- 基于互联网的省级重要基础地理信息变化快速发现技术研究
..... 张大骞,刘善磊,潘九宝,等(27)
- “三旧改造”数据调查项目监理方法研究与实现
..... 黎旭升(30)
- 应用型人才培养背景下,《测量学》教学策略的探究
..... 樊志军,方武生,罗飞雪,等(33)
- 基于CentOS系统的GAMIT/GLOBK 10.7软件安装与使用
..... 赵忠海,张洪文,刘显涛(36)
- 安徽省气温空间分布特征研究
..... 李刚,季民(39)
- 基于ArcObjects的DOM快速调阅模块设计与实现
..... 齐志飞(44)
- 基于空间统计分析的湖南省区域经济空间差异动态演化
..... 高长春,朱慧方,校韩立,等(46)
- 基于RTKLIB的精密单点定位精度分析
..... 赵大力,李亚博(52)
- 基于GIS的徐州市养老机构布局优化研究
..... 邱文平,李保杰,赵炫炫,等(54)

- 基于长葛市试验田农情数据信息化监测研究
..... 杨国超,季民,刘佳,等(59)
- 天地图·福建多源道路数据匹配与融合技术研究
..... 翟梦(63)
- 基于GIS的人口与经济的时空耦合研究
..... 于小娟,张红日,李哲(66)
- 基于微信小程序的规土行政服务平台设计与实现
..... 李成仁(69)

3S技术与应用

- 国外政府部门使用志愿者地理信息案例浅析
..... 熊伟(72)
- 哈尔滨市基础地理信息共享和服务系统设计与实现
..... 何晓军,修洪玉,陈祥葱(76)
- 基于POI的呼市餐饮行业空间分布研究
..... 彭莲香(79)
- 中海达QminiA1手持GPS接收机精度提高方法与实现
..... 李景皓,关明宇,王介,等(84)
- 不动产登记存量数据整合系统的设计与实现
..... 王化娟(88)
- 基于GoogleMaps的地图标注的实现
..... 刘静波,赵虎川(91)
- 劣V类水污染监控系统与相关模型研究与设计
..... 姜元军,李娜,王宇帆(95)
- 面向黑龙江省农村土地确权数据处理的实用工具设计与实现
..... 张博涵,贾雪,王竹,等(98)
- 面向省级不动产大数据管理平台的设计与实现
..... 李德亮,李玉龙,刘涛,等(100)
- 城市建成区空间形态及扩张分析方法研究
..... 张楠楠(104)
- RTK坐标转换参数的应用与精度分析
..... 高开强,徐泮林,赵晓旭(108)
- 基于Web Service的测量标志点巡检管理系统的设计
..... 李想,郝思宝,郭海泉,等(114)

天津市智慧物业地理信息平台建设
..... 周浩,蔡欢,邱俊武(116)

城市地铁施工监测信息管理系统的设计研究
..... 张能,毕永清,李威(119)

基于开源Cesium框架的智慧街道三维可视化平台的研究与应用
..... 马洪成,张玉驹,刘为民(121)

基于基础地理信息成果的卫星影像快速正射纠正技术在基础测绘更新中的应用
..... 吴立果,江雅冰,李鹏(124)

抗差自适应最小二乘配置在高程拟合中的应用
..... 项学泳,李智程(126)

基于GIS的宜兴市地下管线测量方法研究
..... 褚光辉,范强(130)

基于ArcGIS的地类面积统计工具研发与应用
..... 李明飞(135)

港珠澳大桥珠澳口岸控制网布网实践及分析
..... 张盛华(138)

时空信息云平台建设探讨
..... 杨辉山,黎慧斌(141)

贺兰山东麓土地利用及非煤矿山监测研究
..... 车一鸣(144)

基于基准站网的区域参考框架维持及精度分析
..... 叶昆平(148)

地理国情在生态环境状况评价中的应用
——以泰州市为例
..... 纪婷婷,石晓峰,钟丽蓉,等(151)

基于BDS的儿童监控寻找系统的设计和实现
..... 许妙强,余学祥,邓健(155)

基于遥感影像水体提取方法的比较与分析
..... 傅晓俊,袁琳琳,魏翔(158)

基于ArcGIS的高铁网络对沿线城市旅游格局影响研究
..... 赵文更,曹先革(161)

基于CityEngine的数字城市建模分析
..... 王开放,孔维华,赵硕,等(166)

江苏省水利地理信息平台专题空间数据处理与数据库建设
..... 李娇娇(169)

一种求解三维激光扫描后不规则体的体积及表面积方法
..... 王伟,段虎荣,张德成,等(172)

重庆两江新区城市扩展特征及其驱动力分析
..... 陈静,吴凤敏,胡艳,等(176)

全景技术在历史文化名城保护中的研究与应用
..... 段龙妹(180)

测绘工程

不同类型地图可用性对比研究
..... 邓倩,焦生辉(182)

点状符号识别系统
..... 陈瑞淋,王崇倡(186)

1:10 000 DOM制作常见问题探讨
..... 吕海龙,周红梅,李杰瑞,等(189)

工程监测技术在公路高边坡稳定性监测中的应用
..... 张俊仁(191)

基于用户距离的兴趣点推荐算法
..... 龚振华,吴毅涛(196)

灰色与时间序列模型预测
..... 楚宪亮,崔腾飞,相涛,等(199)

无人机摄影测量及数据处理的总体流程
..... 陆全辉(203)

地图数据缩编生产中线面共线套合处理方法
..... 张莉,苗连朋(206)

基于Arcpy的制图综合中点状居民地的自动优化选取
..... 王立超,许兰州,崔文红,等(208)

基于VB的工业用地调查数据处理方法
..... 周晓华,陈俊任,闫炜亮(210)

基于SFM技术的地铁维护管理展开图制作方法
..... 宋媛媛(214)

浅谈平板电脑数字调绘在1:10 000地形图更新中的应用
..... 袁建飞(217)

基于机载LiDAR的倾斜摄影在三维建模中的应用研究
..... 胡天明,冯磊,吉长东,等(219)

城市周边永久基本农田划定方法与技术探讨
..... 王翠霞,李海伟,安洁,等(222)

贵安2000坐标系统建立与形变分析
..... 裴志刚,周贵强(225)

测绘管理与质量

成果检验中数学精度评分方法的优化
..... 岳国栋,孙畅,王丽欣,等(229)

论基础测绘现代化与新型基础测绘
..... 阮于洲(234)

城市新型基础测绘建设内容浅析
..... 潘峰(237)

Doctor Column

- Evaluation Index of Wavelet De-noising Based on Entropy Weight GAO Shan, LI Qinsheng(1)
- Design and Realization of Mobile Service Guide System Based on Spatio-temporal Cloud Platform
..... ZHANG Pengcheng, LIE Jianjia, YANG Mei(5)
- Establishment of a Map System of Land Planning in Tongzhou District Based on Android
..... REN Dongfeng, DONG Huafei(8)
- Development of Integrated Management Information System for Ecological Observing Stations
..... ZHOU Yuke(11)
- Spatial Distribution Analysis of Hotels in the Central City District of Zhuhai Based on GIS
..... CHEN Hongshun, XIAO Hongyu, YANG Yongping(15)

Fund Projects Column

- Research on Quality Inspection and Depth Method of Underground Pipeline Census Data
..... CHEN Yong, ZHANG Xianzheng, LI Xiaojing(19)
- Multi-source Remote Sensing Images Feature Matching Based on Improved SIFT LI Ruilin(23)
- Research on Rapid Discovery Technology of Provincial Important Fundamental Geographic change Information based on Internet
..... ZHANG Daqian, LIU Shanlei, PAN Jiubao, etc.(27)
- Research and Implementation of “Three Old Transformation” Data Survey Project Supervision Method
..... LI Xusheng(30)
- Under the Background of Application-oriented Talent Cultivation, the Exploration of Teaching Strategies of the Course of Surveying
..... FAN Zhijun, FANG Wushen, LUO Feixue, etc.(33)
- GAMIT/GLOBK 10.7 Software Installing and Using on CentOS Operation System
..... ZHAO Zhonghai, ZHANG Zhongwen, LIU Xiantao(36)
- Spatial Distribution of Air Temperature in Anhui Province
..... LI Gang, JI Min(39)
- Design and Implementation of DOM Quick Review Module Based on ArcObjects QI Zhifei(44)
- Dynamic Evolution of Spatial Difference of Regional Economy in Hunan Province Based on Spatial Statistical Analysis
..... GAO Changchun, ZHU Huifang, XIAO Hanli, etc.(46)
- Precision Single Point Positioning in RTKLIB Precision Analysis ZHAO Dali, LI Yabo(52)

- Research on Layout Optimization of Residential Care Facilities in Xuzhou Based on GIS
..... QIU Wenping, LI Baojie, ZHAO Xuanxuan, etc.(54)
- Study on Agricultural Information Management in Changge City Based on the Field Test
..... YANG Guochao, JI Min, LIU Jia, etc.(59)
- Research on Multi-source Roads Data Matching and Fusion about Map World Fujian ZHAI Meng(63)
- Study on the Space-time Coupling between Population and Economy Based on GIS
..... YU Xiaojuan, ZHANG Hongri, LI Zhe(66)
- Design and Implementation of Administrative Service Platform Based on WeChat Mini Programs LI Chengren(69)

3S Technology and Its Application

- Case Analysis of Volunteer Geographic Information in Foreign Government Department XIONG WEI(72)
- Design and Implementation of Sharing and Service System for Harbin Basic Geographic Information
..... HE Xiaojun, XIU Hongyu, CHEN Xiangcong(76)
- Research on Spatial Distribution of Restaurants in Hohhot
..... Based on POI PENG Lianxiang(79)
- Hi-Target Qmini A1 Hand-held GPS Receiver Accuracy Improvement Method and Implementation
..... LI Jinghao, GUAN Mingyu, WANG Jie, etc.(84)
- Design and Implementation of Data Integration System for Real Estate Registration Stock WANG Huajuan(88)
- Map Marks and Realizes Based on GoogleMaps
..... LIU Jingbo, ZHAO Huchuan(91)
- Research and Design of Water Pollution Monitoring System and Related Models of Poor
..... JIANG Yuanjun, LI Na, WANG Yufan(95)
- Design and Implementation of the Utility for Data Processing of Heilongjiang Province Rural Land Confirmation
..... ZHANG Bohan, JIA Xue, WANG Zhu(98)
- Design and Implementation of Big Data Management Platform for Provincial Real Estate
..... LI Deliang, LI Yulong, LIU Tao, etc.(100)
- Research on Spatial Form and Expansion Analysis Method of Urban Built-up Area ZHANG Nannan(104)
- Application and Precision Analysis of RTK Coordinate Conversion Parameters
..... GAO Kaiqiang, XU Panlin, ZHAO Xiaoxu(108)
- Design and Implementation of Measurement Markers Inspection Management System Based on Web Service
..... LI Xiang, HAO Sibao, GUO Haiquan, etc.(114)

Construction of Tianjin Intelligent Property Geography Information Platform
 ZHOU Hao, CAI Huan, QIU Junwu(116)

Research and Design of City Subway Construction Monitoring Information Management System
 ZHANG Neng, BI Yongqing, LI Wei(119)

Research and Application of Wisdom Street 3D Visualization Platform Based on the Open Source Cesium Framework
 MA Hongcheng, ZHANG Yuju, LIU Weimin(121)

Application of Fast Ortho Rectification Technique for Satellite Images Based on Results of Basic Geographic Information in Basic Surveying and Mapping Updating
 WU Liguu, JIANG Yabing, LI Peng(124)

Application of Adaptive Least-squares Configuration in Quasi-geosurface Level Refinement
 XIANG Xueyong, LI Zhicheng(126)

Research on Survey Method of Underground Pipeline in Yixing City Based on GIS
 CHU Guanghui, FAN Qiang(130)

Development and Application of Geographic Area Statistics Tools Based on ArcGIS LI Mingfei(135)

Practice and Analysis of Control Network Distribution at Hongkong-Zhuhai-Macau Bridge Zhuhai-Macau Frontier Port
 ZHANG Shenghua(138)

Discussion on the Construction of Space-time Information Cloud Platform YANG Huishan, LI Huibin(141)

Study on the Land Use and Non-coal Mine Monitoring in East Foothill of Helan Mountain CHE Yiming(144)

Maintenance Method of Regional Reference Frame Based on Reference Station and Precision Analysis
 YE Kunping(148)

Application of Geographical Conditions Data in the Evaluation of Eco-environment: Taking Taizhou as an Example
 JI Tingting, SHI Xiaofeng, ZHONG Lirong, etc.(151)

Design and Implementation of Child Monitoring and Rescue System Based on Beidou System
 XU Miaoqiang, YU Xuexiang, DENG Jian(155)

Comparison and Analysis of Water Extraction Methods Based on Remote Sensing Image
 FU Xiaojun, YUAN Linlin, WEI Xiang(158)

Study on the Impact of High Speed Rail Network on the Tourism Pattern of Cities Along the Line Based on ArcGIS
 ZHAO Wengeng, CAO Xian'ge(161)

Digital City Modeling Analysis Based on CityEngine
 WANG Kaifang, KONG Weihua, ZHAO Shuo, etc.(166)

Spatial Data Processing and Database Construction of Jiangsu Water Conservancy GIS LI Jiaojiao(169)

A method for Solving the Volume and Surface Area of Irregular Body after Three-dimensional Laser Scanning
 ... WANG Wei, DUAN Hurong, ZHANG Decheng, etc.(172)

Analysis of Urban Expansion and Driving Factors in Chongqing Liangjiang New Area
 CHEN Jing, WU Fengmin, HU Yan, etc.(176)

Research and Application of Panoramic Technique in the Protection of Famous Historical and Cultural City
 DUAN Longmei(180)

S/M Engineering

Comparative Research on Usability of Different Types of Maps
 DENG Qian, JIAO Shenghui(182)

Point Symbol Recognition System
 CHEN Ruilin, WANG Chongchang(186)

Discussions on Common Problems in the 1:10 000 DOM Corrected Image of the Jilin Province
 LYU Hailong, ZHOU Hongmei, LI Jierui, etc.(189)

Application of Engineering Monitoring Technology in Highway High Slope Stability Monitoring ZHANG Junren(191)

Point of Interest Recommendation Algorithm Based on User Distance GONG Zhenhua, WU Yitao(196)

Grey and Time Series Model Prediction
 CHU Xianliang, CUI Tengfei, XIANG Tao, etc.(199)

Overall Process of Unmanned Aerial Photogrammetry and Data Processing LU Quanhui(203)

Sharing Boundaries Between Line and Area Features Under Different Scales for Producing Map Data
 ZHANG Li, MIAO Lianpeng(206)

Selection of Automatic Optimization of Point-shaped Residents in Cartographic Generalization Based on Arcpy
 WANG Lichao, XU Lanzhou, CUI Wenhong, etc.(208)

Industrial Land Survey Data Processing Method Based on VB
 ZHOU Xiaohua, CHEN Junren, YAN Weiliang(210)

Method of Unfolded-drawings Making for Maintenance and Management of Subway Based on SFM Technology
 SONG Yuanyuan(214)

Talking About the Application of Tablet Tune in 1:10 000 Topographic Map Update YUAN Jianfei(217)

Research on Application of Tilting Photography Based on Airborne LiDAR in 3D Modeling
 HU Tianming, FENG Lei, JI Changdong, etc.(219)

Discussion on Methods and Technologies of Designation of Permanent Capital Farmland Around the City
 WANG Cuixia, LI Haiwei, AN Jie, etc.(222)

Establishment and Deformation Analysis of Gui'an 2000 Coordinate System PEI Zhigang, ZHOU Guiqiang(225)

S/M Management and Quality

Optimization on Mathematics Accuracy Rating Methods for Quality Inspection
 YUE Guodong, SUN Chang, WANG Lixin, etc.(229)

Discuss on Modernization of Basic-surveying and New-basic-surveying RUAN Yuzhou(234)

A Brief Analysis on the Construction of New Urban Basic Surveying and Mapping PAN Feng(237)