

测绘与空间地理信息

致力于推动和普及
先进测绘技术的应用



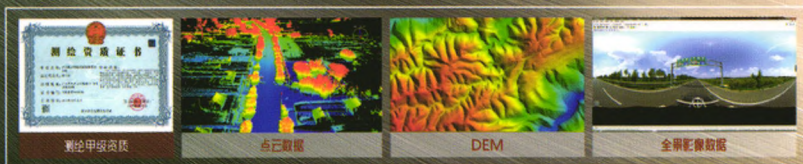
承接 测绘工程项目 打造测绘工程 新业态

三维激光移动测量

10年三维激光技术研磨
全系列激光雷达扫描系统整装待发
北京、广州、成都、南京四大数据处理中心
全国需求及时响应



大面积地形测绘 | 电力巡线 | 公路扫描 | 城市部件采集 | 大面积航测



可满足: 500, 1: 1000, 1: 2000精度要求

* 全套的装备、专业的团队和技术、专注的服务, 为您呈现测绘工程全新业态。详情请咨询南方测绘各地分公司。

SOUTH

4007000700
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

2017 12
(月刊)
Vol.40 No.12

开展地理国情普查 全面掌握国情国力

目次

2017年第12期(总第40卷第224期)

博士园地

- 带状区域不等格网间距DEM的拼接与显示研究
..... 王明生,李艳苹(1)
- 风险地形建模在犯罪风险评估中的应用
..... 陈鹏,林平,孙菲菲,等(4)
- 基于GIS平台的地形信息提取方案设计
——以榆林市绥德县为例
..... 任东风,郑东影(10)
- 基于地理国情普查成果的资源环境承载能力评价
试验研究 张楠,邓开艳,蒋子龙(13)
- 协调发展导向的宁夏空间规划战略实施对策研究
..... 侯景伟(17)
- 基于可达性测度的公园绿地服务公平性时空分析
..... 杨建思,宋岑岑,焦洪赞(21)

基金项目专栏

- 一种图式符号快速评价方法研究
..... 刘善磊(25)
- 基于GF-1遥感影像面向对象的海岸线自动提取
——以秦皇岛为例
..... 鞠超,吉长东,荆林海,等(30)
- 国产卫星遥感数据在电力选线中的适用性研究
..... 熊宝武,王帅,赵斌彬,等(34)
- 基于Android的地下管线巡检系统的设计与实现
..... 李晓琳,史国振,杨孟,等(39)
- 陕北黄土高原植被覆盖度动态变化分析研究
..... 湛青青,刘咏梅,王雷,等(42)
- 基于距离权重的分块MASK匀光算法
..... 王文滔,闻德保,陈正超,等(47)
- 亚热带山地丘陵区气象要素空间化方法分析
..... 陈晓玲,曾永年,柳文杰(51)
- 超高阶重力场模型的研究与实现
..... 胡品,王建强,张飞(57)

- 基于RFID的三维GIS智慧小区应用平台建设研究
..... 高文娟,陈晔,龚兵,等(60)
- 基于特征分区的人口数据格网化研究
..... 董珍珍,王亮,仇阿根(64)
- 基于单时相高分辨率遥感影像的震后道路提取研
究 常泽岫,吉长东,李慧,等(68)
- 基于SVG的地质灾害在线应急态势符号设计与实
现 朱文娟,路文娟,余新平,等(73)

3S技术与应用

- 基于无人机遥感的信息提取研究
..... 荆平平,李兵,贾宗仁,等(77)
- 四川省城镇体系空间结构的分形研究
..... 尤小刚,夏春林(81)
- 基于BIM技术的城市三维建筑模型的探讨
..... 张楼香,张春敏,陈玲(84)
- 国产卫星遥感影像多核并行自适应正射纠正方法
..... 胡旭东,孙萍(87)
- 基于天地图的房产智能评估系统设计与实现
..... 裴亮,魏斯雯,洪中华,等(90)
- 全息地图的空间认知研究
..... 叶辉,史瑞芝,李胜辉(93)
- 基于空间数据库的多源异构卫星数据一体化管理
研究 李冰,赵之年,吴迪,等(96)
- 时空信息云平台与智慧城市评价指标相关性浅析
——以智慧伊春时空信息云平台为例
..... 赵福臣,周墨,古一鸣,等(101)
- 智慧城市的信息共享模式研究
..... 张彦丽,刘小春,王培(105)
- WorldView-III卫星遥感数据在油气管道行业的应
用与研究
..... 何宏华,张伟,梁自忠,等(108)
- 服务于规划编制的城乡规划空间数据建设探讨
——以沈阳市规划设计研究院为例
..... 顾琼,李鹏飞(111)

期刊基本参数: CN23-1520/P * 1978 * M * A4 * 224 * zh * P * ¥28.00 * * 66 * 2017-12

HLJCORS系统性能测试与分析

..... 张洪文, 赵忠海, 关沧海, 等(115)

基于MFC和GIS平台的三维地图导览系统

..... 朱新宇, 时 慧, 高 飞(119)

基于OpenLayers和WebSocket的旅游资源配置实时可视化设计与实现

..... 包诗亮, 周伟强, 祝若鑫, 等(122)

地理国情监测在领导干部自然资源资产离任审计工作中的应用探讨

..... 张 峰(126)

基于天绘影像的无控空中三角测量技术探讨

..... 张 川, 梁 金, 宋宇峰, 等(129)

基于云架构的数字北仑地理空间框架的建设与应用研究

..... 付蔚霞, 梁寒冬, 李 琴(131)

数字正射影像图制作中图廓整饰自动化研究与实现

..... 宋 起, 范亚兵, 董少敏, 等(134)

GNSS观测数据解算检查及自动存储研究

..... 李加群, 王 健, 赵向东(137)

基于WebGL的三维GIS应用研究

..... 周 达, 李 明, 关 昆, 等(139)

基于ERDAS2015的资源三号卫星影像正射校正方法研究

..... 李妍妍(141)

利用WorldView-2影像测制困难地区地形图的技术探讨

..... 王 睿, 魏 伟, 许 宁(144)

不同星历对精密单点定位的影响

..... 管 真, 石风森, 容金宏(146)

基于物联网和GIS的供水管网巡检系统的设计与实现

..... 冯锦霞(150)

测绘工程

Google Earth在土地确权中的应用技术研究

..... 申 伟, 李存文, 张留民(152)

独立坐标系转换方法的探讨

..... 许元红, 崔文刚, 安霞霞(155)

局域地区坐标转换七参数的求解及精度分析

..... 王晓南, 王庆宾, 苏玉瑞(158)

基于VRS的城市道路改建测量方案设计与实施

..... 肖松涛(161)

基于低空航摄技术对古遗址地面拾取精度的探讨

..... 张良桥, 张 序, 朱 威(163)

基于图像局部均值标准差算法的沥青路面裂缝检测

..... 罗玉柱(167)

《黑龙江省地图集》的设计与创新

..... 周振发, 赵大龙(171)

浅析无人机影像工程化处理在测绘保障中的应用

..... 王 健, 李加群, 郭立群(174)

无人机航空摄影测量在土方平衡中的应用

..... 陈森新, 袁树才, 孙 雨(177)

基于小波变换的建筑物抗浮失效事故变形监测的应用研究

..... 李 鹏(180)

UCXP-wa相机影像的立体模型恢复技术探讨

..... 陈 羽, 许 宁, 魏 伟(183)

航测成图技术在土地管理方面的应用研究

..... 黄化强, 黄文卓(186)

上海规划竣工验收测绘建筑面积计算规则的探讨

..... 王小林(188)

全站仪参考弧在坑道测量中的应用

..... 赵洪岩, 孙兴生, 孙常龙(191)

基于Visual Studio的图像特征点提取研究与实现

..... 李维鑫, 王慧珍, 王小平(193)

精密设备安装放样与质量控制探析

..... 余成江, 熊德峰(196)

基于北斗装备的管理软件开发

..... 郭 充, 叶 博, 庄 昊(200)

eCognition在土地动态监测中的应用

..... 高红梅(202)

一种船舶坐标测量方法

..... 王欣宇, 范百兴, 欧 健, 等(205)

不同定位模式下CGCS2000坐标确定及精度分析

..... 丁乐乐, 王 珍, 杨秋莲, 等(209)

用“预测-校正”法快速解算接收机码间偏差

..... 李炎寅(213)

基于加权距离成本的最优学区划分算法

..... 栗敏光, 董琳琳(216)

基于时空Kriging方法建立深度基准面模型

..... 袁建刚, 章 鹏(219)

基于TM30的立式储罐几何形变模型与分析

..... 魏 超, 郑 虹, 孔令淑(221)

Doctor Column

- The Stitching and Applied Research of Different Sampling Interval DEM Grids in Strip Area
 WANG Ming-sheng, LI Yan-ping(1)
- The Application of Risk Terrain Model in Risk Assessment of Crime CHEN Peng, LIN Ping, SUN Fei-fei, etc.(4)
- Design of Terrain Information Extraction Scheme Based on GIS Platform:
 Take Suide County of Yulin City as an Example
 REN Dong-feng, ZHENG Dong-ying(10)
- Experimental Evaluation Study of Resources and Environment Carrying Capacity Based on the Geographic National Census Achievements
 ZHANG Nan, DENG Kai-yan, JIANG Zi-long(13)
- Study on the Countermeasures of Spatial Planning Strategy for Coordinated Development in Ningxia
 HOU Jing-wei(17)
- Spatial-temporal Analysis of Green Space Service Equity Based on Accessibility
 YANG Jian-si, SONG Cen-cen, JIAO Hong-zan(21)

Fund Projects Column

- A Study on Rapid Evaluation Method of Cartographic Symbol
 LIU Shan-lei(25)
- The Coastline Automatic Extraction Research of Object-oriented Based on the GF-1 Remote Sensing Image:
 A Case in Qinhuangdao
 JU Chao, JI Chang-dong, JING Lin-hai, etc. (30)
- Applicability in Domestic Satellite Remote Sensing Data in Power Line Selection
 XIONG Bao-wu, WANG Shuai, ZHAO Bin-bin, etc. (34)
- Design and Implementation of the Underground Pipeline Inspection System Based on Android
 LI Xiao-lin, SHI Guo-zhen, YANG Meng, etc. (39)
- Study on Dynamic Change of Vegetation Coverage of Loess Plateau in Northern Shaanxi Province
 ZHAN Qing-qing, LIU Yong-mei, WANG Lei, etc. (42)
- An Improved MASK Dodging Method Research on Neighborhood Pixels
 WANG Wen-tao, WEN De-bao, CHEN Zheng-chao, etc. (47)
- A Comparative Study of Spatial Interpolation Methods for Meteorological Elements in Subtropical Mountainous and Hilly Regions of China
 CHEN Xiao-ling, ZENG Yong-nian, LIU Wen-jie(51)
- Research and Realization of Ultra-high Degree Gravity Field Model HU Pin, WANG Jian-qiang, ZHANG Fei(57)

- Research on Establishing an Application Platform for a 3-Dimension GIS Smart Community Based on RFID
 GAO Wen-juan, CHEN Ye, GONG Bing, etc. (60)
- Research on the Grid Transformation of Population Data Based on the Feature Partition
 DONG Zhen-zhen, WANG Liang, QIU A-gen(64)
- Damaged Road Extraction from Semi-Post High Resolution Remote Sensing Imagery
 CHANG Ze-xiu, JI Chang-dong, LI Hui, etc.(68)
- Design and Implementation of the Online Emergency Situation Symbol of Geological Disasters Based on SVG
 ZHU Wen-juan, LU Wen-juan, YU Xin-ping, etc.(73)

3S Technology and Its Application

- Research on Information Extraction Based on UAV Remote Sensing
 JING Ping-ping, LI Bing, JIA Zong-ren, etc.(77)
- Sichuan Province Urban System Spatial Structure of Fractal Research YOU Xiao-gang, XIA Chun-lin(81)
- Discussion of 3D Building Model Based on BIM
 ... ZHANG Lou-xiang, ZHANG Chun-min, CHEN Ling(84)
- Multi-core Parallel Self-adaptive Ortho-rectification Method for Domestic Satellite Remote Sensing Images
 HU Xu-dong, SUN Ping(87)
- Design and Implementation of Real Estate Intelligence Evaluation System Based on Tianditu
 PEI Liang, WEI Si-wen, HONG Zhong-hua, etc.(90)
- Research on Spatial Cognition of Holographic Map
 YE Hui, SHI Rui-zhi, LI Sheng-hui(93)
- Research on Integrated Management of Multi-source Heterogeneous Satellite Data Based on Spatial Database
 LI Bing, ZHAO Zhi-nian, WU Di, etc. (96)
- The Relevance Analysis of Cloud Platform of Spatiotemporal Information and Evaluation Indicator System for Smart City:
 A Cases Study of the Smart Yichun's Cloud Platform of Spatiotemporal Information Program
 ZHAO Fu-chen, ZHOU Mo, GU Yi-ming, etc.(101)
- Research on Information Sharing Model of Smart City
 ZHANG Yan-li, LIU Xiao-chun, WANG Pei, etc.(105)
- Application and Research of WorldView-III Satellite Remote Sensing Data in Oil and Gas Pipeline Industry
 HE Hong-hua, ZHANG Wei, LIANG Zi-zhong, etc.(108)
- Discussion on the Construction of Urban and Rural Planning Spatial Data for Planning:
 A Case Study of Shenyang Planning and Design Institute
 GU Qiong, LI Peng-fei(111)

Performance Test and Analysis of HLJCORS	Asphalt Pavement Crack Detection Based on Image Local Mean Standard Deviation Algorithm
ZHANG Hong-wen, ZHAO Zhong-hai, GUAN Cang-hai, etc.(115)	LUO Yu-zhu(167)
Three-dimensional of Digital Map Tour System Based on MFC and GIS Platform	Design and Innovation of Heilongjiang Province Atlas
ZHU Xin-yu, SHI Hui, GAO Fei(119)	ZHOU Zhen-fa, ZHAO Da-long(171)
Design and Implementation of Real-time Visualization of Tourism Resources Configuration Based on OpenLayers and WebSocket	The Discussion of UAV Image Systemic Processing Apply to Emergency Mapping Protection
BAO Shi-liang, ZHOU Wei-qiang, ZHU Ruo-xin, etc.(122)	WANG Jian, LI Jia-qun, GUO Li-qun(174)
Discussion on the Application of Geographical Conditions Monitoring in Natural Resources Assets Departure Audit	The Application of Unmanned Aerial Vehicle Photogrammetry in Earthwork Balance
ZHANG Feng(126)	CHEN Miao-xin, YUAN Shu-cai, SUN Yu(177)
Technical Discussion of Non-control Aerial Triangulation Based on the Mapping Satellite Image	Research on the Application of the Deformation Monitoring Based on Wavelet Transform in Anti-floating Failure Accidents of Buildings
ZHANG Chuan, LIANG Jin, SONG Yu-feng, etc.(129)	LI Peng(180)
Research of the Construction and Application of Digital Beilun Geospatial Framework Based on Cloud Architecture	UCXP-wa Camera Image Recovery Technique to Investigate the Three-dimensional Model
FU Wei-xia, LIANG Han-dong, LI Qin(131)	CHEN Yu, XU Ning, WEI Wei(183)
Research and Realization of Automation of Map Border Decoration in the DOM Production	Application of Aerial Mapping Technology in Land Management
SONG Qi, FAN Ya-bing, DONG Shao-min, etc. (134)	HUANG Hua-qiang, HUANG Wen-zhuo(186)
GNSS Observation Data Solution and Auto Storage Research	Discussion on the Calculation Rules of Construction Area for Planning Acceptance Measurement in Shanghai
LI Jia-qun, WANG Jian, ZHAO Xiang-dong(137)	WANG Xiao-lin(188)
Research on the Application of 3D GIS Based on WebGL	The Total Station Reference Arc Setting out Method Used in the Tunnel
ZHOU Da, LI Ming, GUAN Kun, etc.(139)	ZHAO Hong-yan, SUN Xing-sheng, SUN Chang-long(191)
Research on Ortho Correction Method of Resource 3 Satellite Image Based on ERDAS2015	Research and Implementation of Image Feature Point Extraction Based on Studio Visual
LI Yan-yan(141)	LI Wei-xin, WANG Hui-zhen, WANG Xiao-ping(193)
Research about Surveying the Map of Difficult Area by Using WorldView-2 Image	Analysis of Precise Settingout and Quality Control in Equipment Installation
WANG Rui, WEI Wei, XU Ning(144)	YU Cheng-jiang, XIONG De-feng(196)
Effect of Different Ephemeris on Precise Point Positioning	The Development of Management Software Based on Beidou Equipment
GUAN Zhen, SHI Feng-miao, RONG Jin-hong(146)	GUO Chong, YE Bo, ZHUANG Hao(200)
Design and Implementation of Water Supply Network Inspection System Based on GIS and Internet of Things	Application of eCognition in Land Dynamic Monitoring
FENG Jin-xia(150)	GAO Hong-mei(202)
S/M Engineering	
Research on the Application Technology of Land Based on Google Earth	A Ship Coordinate Measuring Method
SHEN Wei, LI Cun-wen, ZHANG Liu-min(152)	WANG Xin-yu, FAN Bai-xing, OU Jian, etc.(205)
Discussion on Conversion Method of Independent Coordinate System	Accuracy Analysis of Converting to CGCS2000 Coordinates in Different Positioning Mode
XU Yuan-hong, CUI Wen-gang, AN Xia-xia(155)	DING Le-le, WANG Zhen, YANG Qiu-lian, etc. (209)
Local Area Seven Parameters of the Precision Analysis and Solution of the Coordinate Transformation	A New Algorithm for Fast Solving Receiver DCB
WANG Xiao-nan, WANG Qing-bin, SU Yu-rui(158)	LI Yan-yin(213)
Measurement Plan Design and Implementation of Urban Road Reconstruction Using VRS	An Algorithm for Optimal School District Zoning Based on Weighted Distance Cost
XIAO Song-tao(161)	LI Min-guang, DONG Lin-lin(216)
Discuss about the Accuracy of Picking of the Monuments and Sites Based on the Low Altitude Aerial Photogrammetry Technology	Establish the Depth Datum Model with Space-time Kriging Method
ZHANG Liang-qiao, ZHANG Xu, ZHU Wei(163)	YUAN Jian-gang, ZHANG Peng(219)
	The Modeland Analysis of the Geometric Deformation of Vertical Metal Tank Based on TM30
	WEI Chao, ZHENG Hong, KONG Ling-shu(221)



2017年7月1日起施行

加强测绘管理，促进测绘事业发展，保障测绘事业为经济建设、国防建设、社会发展和生态保护服务，维护国家地理信息安全。



刊号：ISSN 1672-5867
CN 23 - 1520/P

广告经营许可证号：230103100219498
邮发代号：14-5 定价：28.00元/期

ISSN 1672-5867
12>
9 771672 586178