

# 目次

2018年第2期(总第41卷第226期)

## 博士园地

- 基于FLAC<sup>3D</sup>的地铁车站深基坑变形规律研究  
..... 杨帆,吕磊(1)
- 一种道路路口和拐点的识别与重要性度量方法  
..... 巩现勇,李靖涵,行瑞星,等(5)
- 武汉市地铁可达性与餐饮网点的空间耦合性研究  
..... 何建华,曹振琴,李纯(10)
- 地理信息科学专业多层次实践体系构建及学生综合能力培养  
..... 郑贵洲,林伟华,彭俊芳(14)
- 老挝Phonxay区土地利用/土地覆盖遥感调查  
... INTHAVIXAY OUNTHONE,吴健平,王苾梓(18)
- 内外业一体化历史建筑保护系统研究  
——以潮州为例  
..... 杨卫军,郭亮,粟桂桐,等(21)
- 国内首个省级地理国情监测规划编制  
..... 桂德竹,刘芳,张月(24)
- GIS专业数据结构课程教学改革探讨  
..... 熊立伟,邹滨,龙岳红,等(27)
- 基于像元二分模型的森林郁闭度遥感估算  
..... 刘丹丹,田静,高延平,等(31)

## 基金项目专栏

- 基于机载LiDAR数据的等高线制作流程研究  
..... 高文利,苏春梅,段凯(34)
- 地理国情普查数据库管理系统设计  
..... 杨昊霖,黄丽(37)
- 北斗系统在建筑安全监测领域的应用研究  
..... 王树东(40)
- 高分二号卫星影像融合方法比较及效果优化研究  
..... 汤耶磊,王鸿燕,刘荣(43)
- 四川省传统村落空间分布特征及其影响因素  
..... 陈青松,罗勇,张洪吉,等(49)
- 基于多特征的SAR影像溢油暗斑提取  
..... 金杰,吴雅男,康仲林(53)

- 基于GIS和历史地图的清代兰州城市空间格局研究  
..... 李虹,颀耀文,梁东旭(57)
- 基于WebGL的交互式三维地理场景构建方法研究  
..... 王锐,霍亮,鲍鹏,等(62)
- 基于AutoCAD二次开发进行土地确权制图的探讨  
..... 房龙,侯家槐,曹鹏(65)
- 基于Web GIS的城镇近郊区空心化村庄信息系统的  
开发与设计  
..... 蒋前凯,李永树,李何超,等(68)
- 2015—2016年东北三省PM<sub>2.5</sub>的时空分布特征  
..... 刘鹏姣,那晓东,李光辉(72)
- 矢量Web网络地图应用研究  
..... 唐雅玲,马晨燕,宋佳,等(77)
- 《泰州城市地图集》的设计与编制  
..... 黄洪纤(81)
- 空中三角测量对无人机航测成图精度影响分析  
..... 康荔,蔡磊,王薇,等(84)

## 3S技术与应用

- 基于出租车GPS数据的城市居民出行时空分布研究  
..... 韩一童,王卫安(87)
- 三种GPS基线处理软件的解算精度分析  
..... 钟磊,崔文刚,敖德春,等(90)
- 基于RS技术的20年来厦门城市热岛格局变化研究  
..... 乔方(94)
- TERRA/MODIS热红外通道陆地晴空大气可降水分裂窗反演  
..... 雷忠腾,江涛,崔相辉,等(98)
- 辽宁省地理国情普查数据库管理与应用服务系统的  
开发与实现  
..... 顾蕾(102)
- 基于无人机倾斜摄影的合作市实景三维建模  
..... 王桂钢(106)
- GNSS监测评估中心北斗卫星产品分析  
..... 韩雪丽,党亚民,谷守周,等(109)

期刊基本参数: CN23-1520/P \* 1978 \* M \* A4 \* 224 \* zh \* P \* ¥28.00 \* \* 65 \* 2018-02

基于等价方差-协方差抗差估计在GPS网平差中的应用 .....	肖明,梁四幺,陈长坤,等(113)	浅谈如何利用Geoway进行入库数据编辑 .....	沈冬(174)
基于多时相Landsat的衡阳市城区扩张模式研究 .....	汤玲英,徐阳亮,王聪,等(116)	如何用ArcGIS 9.3制作1:10 000地形图 .....	石礁(176)
高分辨率遥感影像建筑物提取方法研究 .....	齐永菊,裴亮,叶国风,等(119)	选点埋石点位信息制作检查新方法研究 .....	王健,李加群,王睿(178)
高分一号遥感影像在青藏高原湖泊的提取方法 .....	戚知晨,赵琪(124)	地下管网普查数字工作底图制作技术 .....	刘军(180)
基于CORS系统的加密控制测量分析 .....	郭向前,吴芳,王艳华(128)	基于插值指数平滑组合模型对深基坑沉降的预测研究 .....	李淑瑶(183)
3S技术在森林病虫害监测预警中的应用与展望 .....	吴朝辉,肖志高(131)	基于最小二乘法的高速道岔精测技术研究 .....	孟强,王佩贤,刘志朋(186)
RTG与GPS相对定位联合作业的可行性分析 .....	敖德春,崔文刚,钟磊,等(134)	基于OKMatrix的快速拼接正射影像方法研究 .....	杜秀新(190)
基于遥感和美国碳通量观测数据的GPP模型比较研究 .....	杜启勇,林爱文,付醒(138)	测绘与民政行业地名地址数据标准差异性分析与整合方案研究 .....	董乃盛(192)
1991—2014年中亚伊塞克湖湖泊面积变化遥感监测 .....	闫政新,郭万钦(142)	基于DEM的6种坡度提取算法的比较分析——以山东省青岛市为例 .....	姜健,李阳,王永澍(195)
倾斜摄影测量技术快速获取校园实景三维模型探讨 .....	黄运能(147)	基于复杂地形的等高线FLAC模拟矿区沉陷预计 .....	李家琪,杨帆,杜森(200)
新疆连续运行卫星定位服务系统测试分析 .....	徐艳海(149)	基于小波去噪的非等间隔变形监测数据GM(1,1)预测方法研究 .....	马艳贺,栾元重,翁丽媛,等(203)
地理空间信息应急保障供应链研究 .....	哈长亮,姜坚,王宝,等(152)	测绘应急保障测绘装备和资料的管理研究 .....	姜坚,李加群,慕家彬,等(207)
基于大众点评网的志愿者地理信息空间分异研究——以武汉市为例 .....	张异君(154)	ADS80影像在测绘生产应用中几个关键问题探讨 .....	李丑荣,崔腾腾(209)
1960—2012年长江中下游极端降水与极端径流时空演变研究 .....	马小芳,林爱文,方建(157)	基于数学形态学的高分辨率航空影像轮廓提取方法 .....	吴乐文(212)
<b>测绘工程</b>		西南弱纹理林区提高空中三角测量精度方法 .....	段宗恩,夏正清(216)
基于InSAR的沉降测量角反射器的制作与安装——以南票煤矿开采沉陷区为例 .....	吕奎达,吕保军(161)	基于数据驱动的基本农田标志牌专题地图设计与实现 .....	庄焕龙,吴绿川(219)
面向无人驾驶的车道级道路电子地图制作 .....	周知红(164)	非椭球面高斯投影计算方法之我见 .....	段建峰(221)
低空无人机航测像控点布设方法探讨 .....	喻帆(167)		
POS辅助空三数据建立立体模型及精度检测 .....	张川,赵志国,赵向东,等(171)		

### Doctor Column

- Subway Station Deep Foundation Pit Deformation Research Law Based on FLAC<sup>3D</sup> ..... YANG Fan, LYU Lei(1)
- Road Roundabout and Corner Recognition and Importance Measurement  
..... GONG Xianyong, LI Jinghan, XING Ruixing, etc.(5)
- Space Coupling Research on Accessibility of Subway with Catering Services Spot in Wuhan  
..... HE Jianhua, CAO Zhenqin, LI Chun(10)
- Construction of Multi-level Practice System and Cultivating of Students Synthesized Ability of Geographic Information Science Specialty  
..... ZHENG Guizhou, LIN Weihua, PENG Junfang(14)
- Land Use/Land Cover Detection Using Remote Sensing in Phonxay District, Lao PDR  
... INTHAVIXAY OUNTHONE, WU Jianping, WANG Jinzi(18)
- Research of Historical Building Conversation Based on Integrated Smart Management System:  
Case Study on the City of Chaozhou  
..... YANG Weijun, GUO Liang, SU Zhitong, etc.(21)
- China's First Provincial-level Geographic Condition Monitoring Plan ..... GUI Dezhu, LIU Fang, ZHANG Yue(24)
- Research on Teaching Reform of Data Structure of GIS Major  
..... XIONG Liwei, ZOU Bin, LONG Yuehong, etc.(27)
- Estimate of Forest Canopy Density Based on the Dimidiate Pixel Model by Using Remote Sensing Imagery  
..... LIU Dandan, TIAN Jing, GAO Yanping, etc.(31)

### Fund Projects Column

- Research on Procedure for Contour Production Based on Airborne LiDAR Data  
..... GAO Wenli, SU Chunmei, DUAN Kai(34)
- A Design Scheme on Database Management System of Provincial Geographical Condition Census  
..... YANG Haolin, HUANG Li(37)
- Research on Application of Beidou Navigation Satellite System in Building and Structure Safety Monitoring  
..... WANG Shudong(40)
- Research on Comparison of GF-2 Image Fusion Methods and Effect Optimization  
..... TANG Yelei, WANG Hongyan, LIU Rong(43)
- Spatial Distribution of Traditional Villages and the Influencing Factors in Sichuan Province  
..... CHEN Qingsong, LUO Yong, ZHANG Hongji, etc.(49)

- Feature Extraction of Oil Spill Dark Spot Based on Multi-feature in SAR Image  
..... JIN Jie, WU Yanan, KANG Zhonglin(53)
- The Urban Spatial Pattern of Lanzhou City in Qing Dynasty Based on GIS and Historical Map  
..... LI Hong, XIE Yaowen, LIANG Dongxu(57)
- Research on Interactive 3D Geographic Scene Building Method Based on WebGL  
..... WANG Rui, HUO Liang, BAO Peng, etc.(62)
- The Discussion on Plotting in Registration of Land by Secondary Development of AutoCAD  
..... FANG Long, HOU Jiahuai, CAO Peng(65)
- Suburban Towns Hollow Village Information System Development and Design Based on Web GIS  
..... JIANG Qiankai, LI Yongshu, LI Hechao, etc.(68)
- Spatial-temporal Characteristics of PM<sub>2.5</sub> in Northeast China, 2015—2016  
..... LIU Pengjiao, NA Xiaodong, LI Guanghui(72)
- Research on the Application of Vector Web Mapping  
..... TANG Yaling, MA Chenyan, SONG Jia, etc.(77)
- Design and Compilation of *Taizhou Urban Atlas*  
..... HUANG Hongxian(81)
- Analysis of Accuracy of Large-scale UAV Aerial Mapping in Aerial Triangulation  
..... KANG Li, CAI Lei, WANG Wei, etc.(84)

### 3S Technology and Its Application

- On the Spatial and Temporal Distribution of Resident Trip Based on Taxi GPS Data  
..... HAN Yitong, WANG Weian(87)
- Three Kinds of GPS Baselines Processing Software Solution Precision Analysis  
..... ZHONG Lei, CUI Wengang, AO Dechun, etc.(90)
- Research on the Change of Urban Heat Island Patterns in Xiamen City in the Past 20 Years Based on RS Technology  
..... QIAO Fang(94)
- Retrieval Atmospheric Water over Land Using TERRA/MODIS Thermal Split-window Algorithm in Clear Sky  
..... LEI Zhongteng, JIANG Tao, CUI Xianghui, etc.(98)
- Development and Implementation of Liaoning Province Geographic National Census Database Management and Application Service System ..... GU Lei(102)
- Real-time 3D Model of Hezuo City Based on Oblique Photogrammetry and UAV Technique  
..... WANG Guigang(106)

Analysis of the BDS Products of International GNSS Monitoring and Evaluation System Analysis Center ..... HAN Xueli, DANG Yamin, GU Shouzhou, etc.(109)	Discussion on Low-altitude UAV Aerial Control Points Laid Method ..... YU Fan(167)
The Application of Robust Estimation on GPS Network Adjustment Based on Equivalent Variance-covariance ..... XIAO Ming, LIANG Siyao, CHEN Changkun, etc.(113)	Three-dimensional Model Building and Precision Testing with Data of POS Supported Aerial Triangulation ... ZHANG Chuan, ZHAO Zhiguo, ZHAO Xiangdong, etc.(171)
Expansion of Urban Based on Multi-temporal Landsat ..... TANG Lingying, XU Yangliang, WANG Cong, etc.(116)	Discussion on GIS-based Data Process with Geoway ..... SHEN Dong(174)
Study on Building Extraction Method of High Resolution Remote Sensing Image ..... QI Yongju, PEI Liang, YE Guofeng, etc.(119)	How to Use ArcGIS 9.3 Make 1:10 000 Drawing ..... SHI Jiao(176)
The Extraction Method of the Tibetan Plateau's Lakes Based on GF-1 Remote Sensing Image ..... QI Zhichen, ZHAO Qi(124)	Select Point Buried Stone Point Information Produce and Check New Way Researching ..... WANG Jian, LI Jiaqun, WANG Rui(178)
Encryption Control Measurement Based on CORS System ..... GUO Xiangqian, WU Fang, WANG Yanhua(128)	Digital Base Map Making Technology on the Underground Pipeline Survey ..... LIU Jun(180)
Application and Prospects of 3S Technology in the Monitoring and Forecasting of Forest Pests ..... WU Chaohui, XIAO Zhigao(131)	Research on Deep Foundation Settlement Prediction Based on Interpolation Exponential Smoothing Combined Model ..... LI Shuyao(183)
The Feasibility Analysis of RTG and GPS Relative Positioning Joint Operation ..... AO Dechun, CUI Wengang, ZHONG Lei, etc.(134)	The Research for Precision Measuring Technology of High Speed Turnout Based on the Least Square Method ..... MENG Qiang, WANG Peixian, LIU Zhipeng(186)
Comparison of Multiple GPP Models Using Remote Sensing and American Carbon Flux Data ..... DU Qiyong, LIN Aiwen, FU Xing(138)	Research on Fast Stitching Orthophoto Based on OKMatrix ..... DU Xiuxin(190)
Remote Sensing Monitoring of the Lake Area of Issyk-Kul Lake in Central Asia from 1991 to 2014 ..... YAN Zhengxin, GUO Wanqin(142)	Study on the Difference and Integration of the Data of the Location and Address Data of Surveying and Mapping ..... DONG Naisheng(192)
Rapid Acquisition of Campus 3D Model Based on Oblique Photogrammetry ..... HUANG Yunneng(147)	Comparison and Analysis of 6 Slope Extraction Algorithms Based on DEM: A Case Study of Qingdao City, Shandong Province ..... JIANG Jian, LI Yang, WANG Yongshu(195)
Testing and Analyzing of Xinjiang CORS System ..... XU Yanhai(149)	Prediction of Mining Subsidence Based on FLAC Simulation of Complex Terrain ..... LI Jiaqi, YANG Fan, DU Sen(200)
Research on Geospatial Information Emergency Support Supply Chain ..... HA Changliang, JIANG Jian, WANG Bao, etc.(152)	Research on GM (1, 1) Prediction Method for Unequal Interval Deformation Monitoring Data Based on Wavelet Denoising ..... MA Yanhe, LUAN Yuanzhong, WENG Liyuan, etc.(203)
A Study on Spatial Differentiation of Volunteers Geographic Information Based on Public Review Web: Taking Wuhan City as an Example ..... ZHANG Yijun(154)	Surveying Emergency Support Equipment and Materials Manage Researching ..... JIANG Jian, LI Jiaqun, MU Jiabin, etc.(207)
Research on Spatio-temporal Variation of Extreme Precipitation and Extreme Run off in the Middle and Lower Reaches of Yangtze River from 1960—2010 ..... MA Xiaofang, LIN Aiwen, FANG Jian(157)	Discuss Several Key Issues about Application of ADS80 Image in Surveying and Mapping Production ..... LI Chourong, CUI Tengting(209)
<b>S/M Engineering</b>	
Fabrication and Installation of InSAR Based Settlement Measuring Corner Reflector: Taking Nanpiao Coal Mine Subsidence Area as an Example ..... LYU Kuida, LYU Baojun(161)	The Contour Extraction of High Resolution Aerial Image Based on Mathematical Morphology ..... WU Lewen(212)
Generation of Lane-level Digital Maps Based on Mobile Mapping System ..... ZHOU Zhihong(164)	Study on Improving the Accuracy of Aerial Triangulation Methods in Southwest Weakly Textured Forest Region ..... DUAN Zongen, XIA Zhengqing(216)
	Design and Implementation of Thematic Map of Basic Farmland Signs Based on Data Driven ..... ZHUANG Huanlong, WU Lyuchuan(219)
	The Viewpoint for the Computing Method of Gauss Projection Based Non-ellipsoid Surface ..... DUAN Jianfeng(221)