



目次

科技专栏·三维激光雷达技术及应用

- 机载激光雷达在公路勘测及 BIM 设计中的应用研究 杨凯文(1)
- 结合超体素与区域增长的 LiDAR 点云屋顶面分割 李明星, 任高升, 吉文来(7)
- 移动式三维激光扫描系统在轨道结构变形分析的应用 段 伟, 王 敏, 冯 耀(11)

理论研究

- 基于 PCA 的江苏省资源环境承载力分析评价 王 勇, 王玉芳(15)
- 快速线性三维坐标转换方法研究 葛仁磊(21)
- 第三次土地调查线状图斑宽度自动提取研究 周 瑞(25)
- 基于 3D GIS 与大数据技术的隧道施工信息化管理平台研究 林国庆, 闵世平(29)
- 地理信息技术服务自然资源资产审计的应用研究 陶金梅, 王 勇, 徐贵阳(34)

应用技术

- 基于时序 InSAR 的贵州喀斯特地区地表形变监测——以清镇市为例
..... 王 硕, 张正加, 范 鹏, 王猛猛(38)
- 电力工程勘测一体化数据管理平台研究与实现
..... 刘安涛, 任立华, 张焕杰, 毛玉丽, 李小雪(46)
- 大高差地形条件下大比例尺航空摄影的设计与实现 郭 威(51)
- 华山地区立体卫星影像空三加密应用研究 谢三五, 李 昕, 朱仁义(55)
- 顾及学分制的测绘工程专业毕业要求达成度评价方法
..... 刘志平, 陈国良, 郭广礼, 张书毕, 高井祥(58)

现代测绘

Modern Surveying and Mapping

1978年创刊



2021

双月刊

CONTENTS

Vol44 No.4

Research on Application of Airborne Lidar in Highway Survey and BIM Design ...	YANG Kai-wen (1)
Segmentation of Roof Surface LiDAR Point Cloud through Super Voxel-based Region Growing Methodology	LI Ming-xing, REN Gao-sheng, JI Wen-lai(7)
Structural Analysis of Subway Tunnel Using Mobile Laser Scanning Technique ...	DUAN Wei, WANG Min, FENG Yao(11)
Analysis and Evaluation of Resources and Environment Carrying Capacity of Jiangsu Province Based on PCA	WANG Yong, WANG Yu-fang (15)
Research of the Fast Linear 3D Coordinate Transformation Method	GE Ren-lei (21)
Study on Automatic Extraction of Line Width of the Third Land Survey	ZHOU Rui (25)
Research on Information Management Platform of Tunnel Construction Based on 3D GIS and Big Data Technology	LIN Guo-qing, MIN Shi-ping (29)
Application of Geographical Information System in Off-Office Auditing of Natural Resource Assets	TAO Jin-mei, WANG Yong, XU Gui-yang (34)
Deformation Monitoring of Karst Region Using Time-series InSAR: A Case Study in Qingzhen City, Guizhou Province	ZHANG Zheng-jia, WANG Shuo, FAN Peng, WANG Meng-meng (38)
Research and Implementation of Integrated Data Management Platform for Electric Power Engineering Survey	LIU An-tao, Ren Li-hua, ZHANG Huan-jie, MAO Yu-li, Li Xiao-xue (46)
The Design and Realization of Large-scale Aerial Photography Under the Condition of Large Altitude Difference Terrain	GUO Wei (51)
Applied Research of the Stereo Satellite Image Aerial Triangulation in Huashan Area	XIE San-wu, LI Xin, ZHU Ren-yi (55)
Evaluation Method for Graduation Requirement Achievement Degree Using Credit System	LIU Zhi-ping, CHEN Guo-liang, GUO Guang-li, ZHANG Shu-bi, GAO Jing-xiang (58)