



目次

第48卷 第1期

科技专栏·地理信息共享和安全

- 矢量数据几何精度降低进展与展望 陈晓凤, 刘滔, 王心怡, 曾长红, 任娜 (1)
- 基于距离特征的矢量地理数据数字水印算法 陈慧玲, 邵珊珊, 朱长青 (5)
- 湖南省地理信息安全技术研究与应用实践
..... 严林, 蒋星祥, 孙华, 胡雯运, 陈胜, 冷建军, 刘曦, 李春辉 (12)

理论研究

- CIM平台赋能数字孪生城市建设 张婷, 周新民, 颜停霞 (16)
- 1:500基础地理信息数据库库体改造技术探讨 陈品, 陆超君 (22)
- 新型测绘技术下城市基础地理信息更新模式研究
..... 卞雨凡, 聂可, 李智程, 李晓明 (25)
- 顾及曲率的点云数据两步分割法 何鄂龙 (32)
- 四川省癌症空间分布模式及其影响因素研究 刘发发, 田振昂, 赵东保 (36)
- 加强地质数据集成的实践和思考——以南京市为例
..... 王梁文敬, 唐鑫, 邓峰丽, 崔蓓 (43)

应用技术

- 超大直径桥梁钢护筒下沉测量控制方法 李杰, 王坤, 刘子垚 (48)
- 无人机测绘技术在山区土地征收中的应用 张清波, 严加栋 (53)
- 基于相位一致的无人机图像建筑物语义分割模型 陈彬彬, 邵恒, 郭震冬 (58)
- 基于EPS2008的水准路线图程序设计 管锋, 李欣 (63)
- 一种BIM模型由独立坐标转换至国家坐标的方法 王强 (67)
- 自然资源审批“一张图”数据整合建库方法 路立娟 (71)
- 森林单木化建模及可视化研究 周敏, 吴益玲, 叶遥 (76)
- 基于沉浸式叙事的“南京民国大师故事地图”设计与实现
..... 农文韬, 汪兴, 李雨竹, 张望君, 龙毅 (80)

现代测绘

Modern Surveying and Mapping

1978年创刊



2025

双月刊

CONTENTS

Vol48 No.1

Progress and Prospect of Geometric Accuracy Reduction of Vector Data	
..... CHEN Xiao-feng, LIU Tao, WANG Xin-yi, ZENG Chang-hong, REN Na (1)	
Digital Watermarking Algorithm for Vector Geographic Data Based on Distance	
Characteristics	CHENG Hui-ling, SHAO Shan-shan, ZHU Chang-qing (5)
Research and Application Practice of Geographic Information Security Technology	
in Hunan Province	YAN Lin, JIANG Xing-xiang, SUN Hua,
	HU Luan-yun, CHEN Sheng, LENG Jian-jun, LIU Xi, LI Chun-hui (12)
CIM Platform Empowers Digital Twin City Construction	
..... ZHANG Ting, ZHOU Xin-min, YAN Ting-xia (16)	
Discussion on the Transformation Technology of 1 : 500 Basic Geographic Infor-	
mation Database	CHEN Pin, LU Chao-jun (22)
Research on Updating Mode of Urban Fundamental Geographic Information with	
New Geomatics Technology	
..... BIAN Yu-fan, NIE Ke, LI Zhi-cheng, LI Xiao-ming (25)	
Curvature Based Two Step Segmentation Method for Point Cloud	
..... HE E-long (32)	
Study on the Spatial Distribution Pattern and Influencing Factors of Cancer in Si-	
chuan Province	LIU Fa-fa, TIAN Zhen-ang, ZHAO Dong-bao (36)
Practice and Thinking on Enhancing Geological Data Integration—A Case Study of	
Nanjing City	WANG Liang-wenjing, TANG Xin, DENG Feng-li, CUI Bei (43)
Measurement and Control Method of Steel Casing Sinking of Super-Large Diame-	
ter Bridge	LI Jie, WANG Kun, LIU Zi-yao (48)
Unmanned Aerial Vehicle Mapping Technology in Mountain Land Acquisition	
..... ZHANG Qing-bo, YAN Jia-dong (53)	
UAV Image Buildings Semantic Segmentation Based on Phase Congruency Model	
..... CHEN Bin-bin, SHAO Heng, GUO Zhen-dong (58)	
Levelling Line Map Programming Based on EPS2008	GUAN Feng, LI Xin (63)
A Method for Converting BIM Model from Independent Coordinate to National	
Coordinate	WANG Qiang (67)
A Method for Integrating and Building a Database of “One Map” for Natural	
Resources Administrative Approval Planning	LU Li-juan (71)
Modeling and Visualization of Forest Single Tree	
..... ZHOU Min, WU Yi-Ling, YE Yao (76)	
Design and Implementation of “Nanjing Master Story Map of the Republic of	
China” Based on Immersion Narrative	
..... NONG Wen-tao, WANG Xing, LI Yu-zhu, ZHANG Wang-jun, LONG Yi (80)	