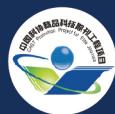


ISSN 1001-1595 CODEN CEXUER
CN 11-2089/P

主管：中国科学技术协会 主办：中国测绘学会
国内邮发代号：2-224 国外发行代号：Q615 定价：70.00

月刊



测绘学报

第51卷 第12期 Vol.51 No.12

12/2022

天绘二号卫星系列专栏

专栏客座主编：楼良盛

ACTA GEODAETICA et
CARTOGRAPHICA SINICA

测绘学报

2022年12月 第51卷 第12期

目 次

天绘二号卫星系列专栏

- 天绘二号卫星关键技术 楼良盛, 刘志铭, 张昊, 钱方明, 张笑微 (2403)
天绘二号卫星双基成像几何模型改正算法 陈刚, 钱方明, 刘志铭, 楼良盛 (2417)
天绘二号卫星两种基线定标模型比较分析 钱方明, 陈刚, 楼良盛, 刘薇, 张昊, 孟欣 (2425)
分布式 InSAR 卫星系统编队指标体系研究 陈力, 张德新, 陈筠力, 邵晓巍 (2433)
多约束条件分布式 InSAR 编队构形工程优化方法
..... 李楠, 丛琳, 陈重华, 赵迪, 侯雨生, 陈熙之 (2440)
InSAR 卫星编队构形保持控制方法 陈重华, 李楠, 完备, 杜耀珂, 王文妍, 孙英梅 (2448)
天绘二号时间同步误差分析与评估验证 黄艳, 张笑微, 丛琳, 董小环 (2455)
基于误差修正的卫星在轨质心高精度预估与验证 陈汀, 李五, 吴远波, 李世忠, 邵龙 (2462)
天绘二号双星方位向天线方向图在轨测量关键技术
..... 高敬坤, 汪志龙, 程家胜, 丛琳, 范炜康, 胡振龙 (2470)
天绘二号卫星系统定位精度浅析 李世忠, 叶宇, 范炜康, 丛琳, 高敬坤, 邵龙 (2481)
天绘二号双星 InSAR 成像与 DSM 生成技术
..... 向建冰, 吕孝雷, 付希凯, 薛飞扬, 云烨, 叶宇, 何可 (2493)
天绘二号卫星单幅 SAR 影像定位性能评估 王赛, 孟欣, 楼良盛, 陈刚, 钱方明, 刘志铭 (2501)
天绘二号 01 组 SAR 图像质量评价 王伟, 李春艳, 孙韬, 杨戬峰, 喻夏琼, 务宇宽 (2508)
基于超像素分割与多信息融合的叠掩和阴影区域检测法
..... 刘鹏, 李真芳, 楼良盛, 杨伟明, 王震 (2517)

摄影测量学与遥感

高分影像密集建筑物 Correg-YOLOv3 检测方法

- 陈占龙, 李双江, 徐永洋, 徐道柱, 马超, 赵军利 (2531)
结合棋盘格与旋转摄影的多镜头全景摄像机组合标定 黄明益, 吴军, 彭智勇 (2541)

博士论文摘要

- 基于结构信息的异源遥感图像局部特征描述符研究 付志涛 (2557)
RSSI 在室内定位中的测量特性及应用研究 薛卫星 (2558)
种间竞争条件下互花米草光谱特征分析及叶绿素含量反演研究 刘浦东 (2559)
黄河中上游地区水储量变化及陆地水负荷形变研究 谢小伟 (2560)

ACTA GEODAETICA et CARTOGRAPHICA SINICA

December 2022 Vol.51 No.12

CONTENTS

TH-2 Satellite System

- Key technologies of TH-2 satellite system LOU Liangsheng, LIU Zhiming, ZHANG Hao, QIAN Fangming, ZHANG Xiaowei (2403)
- Algorithm to changing bistatic imaging geometric model for TH-2 satellite CHEN Gang, QIAN Fangming, LIU Zhiming, LOU Liangsheng (2417)
- Comparison and analysis of two baseline calibration models for TH-2 satellite QIAN Fangming, CHEN Gang, LOU Liangsheng, LIU Wei, ZHANG Hao, MENG Xin (2425)
- Index system study on distributed InSAR formation system CHEN Li, ZHANG Dexin, CHEN Junli, SHAO Xiaowei (2433)
- An engineering optimization method for distributed spaceborne InSAR formation configuration based on multiple constraints LI Nan, CONG Lin, CHEN Chonghua, ZHAO Di, HOU Yusheng, CHEN Xizhi (2440)
- Formation-maintaining control strategy for InSAR satellite CHEN Chonghua, LI Nan, WAN Bei, DU Yaoke, WANG Wenyan, SUN Yingmei (2448)
- Time synchronization error analysis and evaluation of TH-2 satellite HUANG Yan, ZHANG Xiaowei, CONG Lin, DONG Xiaohuan (2455)
- High-precision estimation and verification for the centroid of satellite based on error correction CHEN Ting, LI Wu, WU Yuanbo, LI Shizhong, SHAO Long (2462)
- Key technologies for on-orbit azimuth antenna pattern measurement of TH-2 dual satellites GAO Jingkun, WANG Zhilong, CHENG Jiasheng, CONG Lin, FAN Weikang, HU Zhenlong (2470)
- A brief analysis of the positioning accuracy for the TH-2 satellite system LI Shizhong, YE Yu, FAN Weikang, CONG Lin, GAO Jingkun, SHAO long (2481)
- Bistatic InSAR interferometry imaging and DSM generation for TH-2 XIANG Jianbing, LÜ Xiaolei, FU Xikai, XUE Feiyang, YUN Ye, YE Yu, HE Ke (2493)
- Target location performance evaluation of single SAR image of TH-2 satellite system WANG Sai, MENG Xin, LOU Liangsheng, CHEN Gang, QIAN Fangming, LIU Zhiming (2501)
- SAR image quality assessment of satellite TH-2-01 WANG Wei, LI Chunyan, SUN Tao, YANG Jianfeng, YU Xiaqiong, WU Yukuan (2508)
- Layover and shadow regions detection based on superpixel segmentation and multi-information fusion LIU Peng, LI Zhenfang, LOU Liangsheng, YANG Weiming, WANG Zhen (2517)

Photogrammetry and Remote Sensing

- Correg-YOLOv3: a method for dense buildings detection in high-resolution remote sensing images CHEN Zhanlong, LI Shuangjiang, XU Yongyang, XU Daozhu, MA Chao, ZHAO Junli (2531)
- Calibration of multi-head panoramic camera using 2D checkerboard under rotation photography HUANG Mingyi, WU Jun, PENG Zhiyong (2541)

Summary of PhD Thesis

- Research on local feature descriptors of multi-source remote sensing images based on structure information FU Zhitao (2557)
- Research on measurement properties and application of RSSI for indoor localization XUE Weixing (2558)
- Investigation of the spectral characteristics and the inversion of Spartina alterniflora chlorophyll content under interspecies competition LIU Pudong (2559)
- Research on water storage change and hydrological loading deformation in the middle and upper reaches of the Yellow River XIE Xiaowei (2560)