

研究论文

综述

- 空间天气探源计划(探冕计划) 田晖,白先勇,封莉,熊明,陈亚杰,侯振永,王亚敏 (881)
空天过渡区大气动力学研究重要进展 盛峰,虢盛,冷洪泽,汪四成,宋君强 (899)

空间物理

- Probing Solar Polar Regions DENG Yuanyong, TIAN Hui, JIANG Jie, YANG Shuhong, LI Hao, CAMERON Robert, GIZON Laurent, HARRA Louise, WIMMER-SCHWEINGRUBER Robert F, AUCHÈRE Frédéric, BAI Xianyong, BELLOT RUBIO Luis, CHEN Linjie, CHEN Pengfei, CHITTA Lakshmi Pradeep, DAVIES Jackie, FAVATA Fabio, FENG Li, FENG Xueshang, GAN Weiqun, HASSLER Don, HE Jiansen, HOU Junfeng, HOU Zhenyong, JIN Chunlan, LI Wenya, LIN Jiaben, NANDY Dibyendu, PANT Vaibhav, ROMOLI Marco, SAKAO Taro, KRISHNA PRASAD Sayamanthula, SHEN Fang, SU Yang, TORIUMI Shin, TRIPATHI Durgesh, WANG Linghua, WANG Jingjing, XIA Lidong, XIONG Ming, YAN Yihua, YANG Liping, YANG Shangbin, ZHANG Mei, ZHOU Guiping, ZHU Xiaoshuai, WANG Jingxiu, WANG Chi (913)

基于声谱图和卷积神经网络的磁暴图像识别 李鸿宇,孙君嵩,王丽,杨杰,赵雨馨 (943)

- FY-3D电离层光度计IPM对2024年5月11日特大磁暴的响应研究 江芳,毛田,付利平,王劲松,胡秀清,张效信,王云岗,贾楠,王天放 (950)

- 快速稳健的张衡卫星闪电哨声波散射系数自动提取方法 韩金昇,袁静,王桥,刘芹芹,银韩柯,刘海军,赵庶凡,申旭辉,王亚丽 (960)

NeQuick G模型与COSMIC-2掩星数据在电离层层析算法中的使用 尹萍,张姗姗,徐硕,侯秀泽 (975)

西北走廊地区电离层吸收特性研究 辛浩,赵海生,王俊江,葛淑灿 (987)

- 基于最优估计法的瑞利激光雷达反演大气温度不确定度 张潇剑,张献中,李欣岐,吴同,钟凯,闫召爱,徐德刚,姚建铨 (995)

2023年西北地区临近空间火箭探测数据分析评估 何阳,陈泰龙,黄江平 (1007)

空间探测技术

临近空间天文台亚角秒级指向系统WASP 崔钰琅,李一健,周江华 (1016)

COSMOS 1408解体碎片云演化分析 莫星健,梁伟,赵相雷,雷祥旭,赵有 (1038)

太极二号干涉仪系统噪声与指标分解 刘河山,王娟,高瑞弘,齐克奇,王少鑫,李磐,高雪荣,罗子人 (1047)

热波在超低热导率材料中的传递特性 洪思慧,周宇鹏,赵欣 (1058)

基于MSSA算法的西北地区GNSS坐标时间序列共模误差分析 梁斌,于明雪 (1067)

- 阿尔及利亚星基增强系统单频SBAS服务性能研究 潘丽静,王玲,金彪,王雷雷,刘宁宁,赵立谦,王绍贤,荆慧 (1079)

基于时序插补生成式对抗网络的卫星遥测参数异常检测方法 杜晓龙,白萌 (1087)

- EP卫星数据预处理与分发服务平台设计与实现 马福利,纪珍,杨晓艳,于勤思,李冰,罗文甜,佟继周 (1098)

基于多通道、高速率拼帧处理的卫星状态量处理监视系统设计与实现 蔡济济,虞业涿,羊书杰,李伟,陈玉君,周达 (1114)

基于宇航级NPU的轻量化Yolov5算法的目标检测系统 刘冰,周海,卞春江,成晓蕾,王鹏飞,张彪 (1123)

面向小规模面元天体数据集的二阶段边缘检测方法 郑洋,李丹,梁祖仲,程永,郑中杰 (1134)

Research Articles

Review

- Coronal Explorer for the Sun and Nearby Stars
..... TIAN Hui, BAI Xianyong, FENG Li, XIONG Ming, CHEN Yajie, HOU Zhenyong, WANG Yamin (881)

- Major Advances in Aerospace Transition Zone Atmospheric Dynamics Research
..... SHENG Zheng, GUO Sheng, LENG Hongze, WANG Sicheng, SONG Junqiang (899)

Space Physics

- Probing Solar Polar Regions DENG Yuanyong, TIAN Hui, JIANG Jie, YANG Shuhong, et al. (913)

- Geomagnetic Storm Image Recognition Based on Spectrogram and Convolutional Neural Network
..... LI Hongyu, SUN Junsong, WANG Li, YANG Jie, ZHAO Yuxin (943)

- Study of FY-3D Ionospheric Photometer (IPM) Response to the Extreme Magnetic Storm on 11 May 2024
..... JIANG Fang, MAO Tian, FU Liping, WANG Jinsong, et al. (950)

- Fast and Robust Automatic Extraction Method for the Lightning Whistler Scattering Coefficient of the Zhangheng Satellite HAN Jinsheng, YUAN Jing, WANG Qiao, LIU Qinjin, et al. (960)

- Use of NeQuick G Model and COSMIC-2 Occultation Data in Ionospheric Tomography Algorithm
..... YIN Ping, ZHANG Shanshan, XU Shuo, HOU Xiuzhe (975)

- Study on Ionospheric Absorption Variation Characteristics in the Northwest Corrido
..... XIN Hao, ZHAO Haisheng, WANG Junjiang, GE Shucan (987)

- Uncertainty Evaluation of Atmospheric Temperature Retrieval Using Rayleigh Lidar Based on the Optimal Estimation Method ZHANG Xiaojian, ZHANG Xianzhong, LI Xinqi, WU Tong, ZHONG Kai, YAN Zhaoai, XU Degang, YAO Jianquan (995)

- Analysis and Evaluation of Data from Near Space Meteorological Rocket Detection over Northwest Area in 2023 HE Yang, CHEN Tailong, HUANG Jiangping (1007)

Space Exploration Technology

- Arc Second Pointing System of Near Space Observatories WASP
..... CUI Yulang, LI Yijian, ZHOU Jianghua (1016)

- Analysis of COSMOS 1408 Debris Cloud Evolution
..... MO Xingjian, LIANG Wei, ZHAO Xianglei, LEI Xiangxu, ZHAO You (1038)

- Noise and Index Decomposition of Taiji-2 Interferometer System LIU Heshan, WANG Juan, GAO Ruihong, QI Keqi, WANG Shaixin, LI Pan, GAO Xuerong, LUO Ziren (1047)

- Thermal Wave Transfer Characteristics in Ultra-low Thermal Conductivity Materials HONG Sihui, ZHOU Yupeng, ZHAO Xin (1058)

- Common Mode Error Analysis of GNSS Coordinate Time Series in Northwest China Based on MSSA Algorithm LIANG Bin, YU Mingxue (1067)

- Study on Service Performance of Single Frequency SBAS in Algerian Satellite-based Augmentation System PAN Lijing, WANG Ling, JIN Biao, WANG Leilei, LIU Ningning, ZHAO Liqian, WANG Shaoxian, JING Hui (1079)

- Anomaly Detection Method for Satellite Telemetry Parameters Based on Time-series Imputation Generative Adversarial Networks DU Xiaolong, BAI Meng (1087)

- Design of the EP Satellite Data Preprocessing and Distribution Service Platform
..... MA Fuli, JI Zhen, YANG Xiaoyan, YU Qinsi, LI Bing, LUO Wentian, TONG Jizhou (1098)

- Design and Implementation of Satellite Status Processing and Monitoring System Based on Multi-channel High-rate Frame Processing CAI Jiji, YU Yeluo, YANG Shujie, LI Wei, CHEN Yujun, ZHOU Da (1114)

- Lightweight Yolov5 Algorithm Target Detection System Based on Space-grade NPU
..... LIU Bing, ZHOU Hai, BIAN Chunjiang, CHENG Xiaolei, WANG Pengfei, ZHANG Biao (1123)

- Two-stage Contour Detection Method for Small-scale Disk-resolved Celestial Datasets
..... ZHENG Yang, LI Dan, LIANG Zuzhong, CHENG Yong, ZHENG Zhongjie (1134)