

中文核心期刊
中国科技核心期刊
Scopus数据库收录期刊
CSCD收录期刊
WJCI报告收录期刊

ISSN 1000-1158

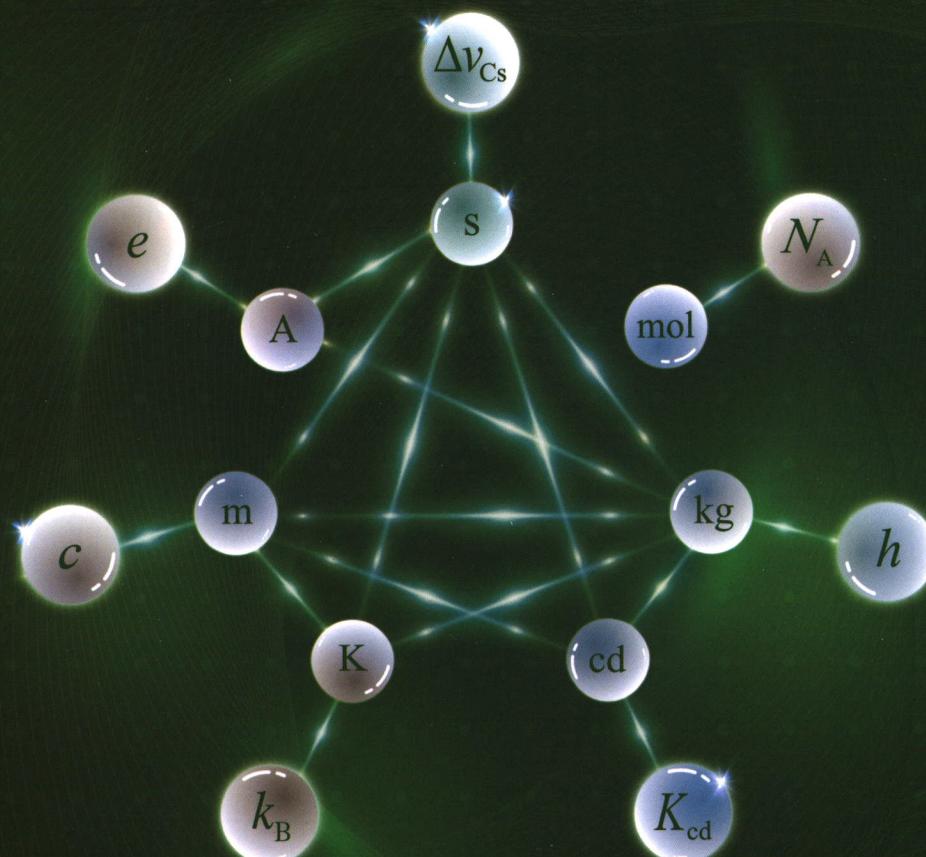
1864/TB

Q K 2 3 0 0 3 9

计量学报

ACTA METROLOGICA SINICA

第44卷 第4期 2023 VOL. 44 No. 4



ISSN 1000-1158



9 771000 115230

万方数据

中国计量测试学会

计量学报

JILIANG XUEBAO

第44卷 第4期 2023年4月

目 次

- 基于流动法的 Picker 型比热容测量系统研究 归凌燕, 孟现阳, 李东东, 吴江涛 (495)
基于积分球反射法的面辐射源发射率分布测量研究
..... 刘光昱, 宦克为, 安保林, 董伟, 赵云龙, 宋旭尧, 原遵东 (503)
稳态法导热系数测量实验及数据处理方法的研究 黄思俞, 魏炽旭, 郑联慧 (508)
基于监控影像的结构位移跟踪监测研究 高超, 王刘祺, 倪彤元, 杨杨, 刘金涛, 顾春平 (514)
用于影像测量仪垂直尺寸测量的自动对焦技术 车一峰, 杨国舜, 陈立国 (521)
一种基于非完整点云数据的航空发动机叶片边缘半径获取方法 曹国强, 郭旭, 叶长龙, 丁建 (527)
磁通激励超导开关原理与技术进展 王仕建, 高鹤, 李劲劲, 王雪深 (534)
基于蒙特卡洛方法平尺测量直线度不确定度评估方法的研究 李元峰, 孟令川, 黄垚, 杨皓天 (540)
 $\text{SiO}_2\text{-SiN}_x$ 体系光学谐振腔中 Ti 超导薄膜特性的研究
..... 刘海燕, 孙潇莹, 李劲劲, 王雪深, 陈建, 高鹤, 周哲海, 徐晓龙 (549)
谐振管式液体密度计灵敏度优化方法 王思贤, 张竟月, 王金涛 (555)
基于六自由度振动台的车辆构架运动姿态测量 韩志, 陈春雷, 傅强, 郝晋斐, 程朝阳 (562)
压力介质对带引压管路压力测试系统动态特性影响 王洪博, 杨扬仲夫, 王晓文, 王辰辰 (568)
可编程约瑟夫森结阵偏置组合算法研究 梁潘, 钱璐璐, 任伟, 孙迎丽, 崔超奕, 赵建亭, 张丹丹 (575)
基于深度迁移学习和 LSTM 网络的微电网故障诊断 吴忠强, 卢雪琴 (582)
基于 LDV 测速算法的多普勒频率测量不确定度分析和评定 张育闻, 崔骊水, 谢代梁, 杨兆欣 (591)
转向式换向器的最优流量特性与计时差 杨万利, 王新跟, 陈玉洁, 沈昱明 (598)
基于原子拉比共振的原子气室弛豫率测量 闵霁驰, 金双浩, 江文松, 茹宁, 罗哉 (604)
基于交叉通道注意力的目标跟踪方法 张立国, 耿星硕, 金梅, 章玉鹏, 张升 (609)
HXCF 测量医用辐射模体的质量衰减系数 郭锴悦, 赵天琦, 郭思明, 蒋政, 郭晓雨, 余涛, 吴金杰 (616)
一种基于 GA-NSVM 的自适应洛伦兹分峰拟合识别红外光谱吸收重叠峰的方法
..... 李忠兵, 庞微, 梁海波, 蒋川东, 段洪名, 罗翼 (622)
基于 VMD-IASO-ELM 的吸收塔出口 SO_2 浓度组合预测模型 金秀章, 李阳峰, 姚宁 (630)
餐饮油烟浓度检测仪器校准方法及不确定度评定 沈上圯, 张国城, 司传海, 张纯, 吕超, 吴丹 (638)
基于盲源分离的有机物混合信号特征提取与解析 黄秀, 康嘉诚, 王淇, 李艳坤 (645)
内标法对 $\text{PM}_{2.5}$ 切割器快速评价方法的修正
..... 刘佳琪, 张国城, 田莹, 吴丹, 沈上圯, 荆文杰, 屈晓虎, 张艳伟 (653)
基于脉搏心电信号碰撞熵的血糖控制状态检测研究 肖明霞, 鲁昌华, 塔娜, 王涛 (657)
线性回归拟合的测量不确定度评定 夏玉国, 彭友志, 刘正华, 宋潇, 曾卓 (664)

ACTA METROLOGICA SINICA

(MONTHLY)

Vol. 44, No. 4, April 2023

CONTENTS

- Development of Picker-type Calorimeter for Specific Heat Capacity Measurement Based on Flow Method GUI Ling-yan, MENG Xian-yang, LI Dong-dong, WU Jiang-tao (495)
- Study on the Measurement of the Emissivity Distribution of Flat Plate Radiation Source Based on the Integrating Sphere Reflection Method LIU Guang-yu, HUAN Ke-wei, AN Bao-lin, DONG Wei, ZHAO Yun-long, SONG Xu-yao, YUAN Zun-dong (503)
- Investigation of the Steady State Method for Thermal Conductivity Measurement and its Data Processing Method HUANG Si-yu, WEI Chi-xu, ZHENG Lian-hui (508)
- Research on Structural Displacement Tracking Monitoring Based on Surveillance Camera Videos GAO Chao, WANG Liu-qi, NI Tong-yuan, YANG Yang, LIU Jin-tao, GU Chun-ping (514)
- Auto-focusing Technology in Perpendicular Length Measurement of Video Measuring Machine CHE Yi-feng, YANG Guo-shun, CHEN Li-guo (521)
- A Method for Obtaining Edge Radius of Aeroengine Blade Based on Incomplete Point Cloud Data CAO Guo-qiang, GUO Xu, YE Chang-long, DING Jian (527)
- Principle and Technical Progress of Flux-actuated Superconducting Switches WANG Shi-jian, GAO He, LI Jin-jin, WANG Xue-shen (534)
- Research on Uncertainty Evaluation Methods of Straightness of Straight Edge Based on Monte Carlo Method LI Yuan-feng, MENG Ling-chuan, HUANG Yao, YANG Hao-tian (540)
- Research on the Properties of Ti Superconducting Thin Films in $\text{SiO}_2\text{-SiN}_x$ System Optical Resonator LIU Hai-yan, SUN Xiao-ying, LI Jing-jing, WANG Xue-shen, CHEN Jian, GAO He, ZHOU Zhe-hai, XU Xiao-long (549)
- Sensitivity Optimization Method of Vibrating Tube Densitometer WANG Si-xian, ZHANG Jing-yue, WANG Jin-tao (555)
- Motion Attitude Measurement Method of Bogie Based on Six Degrees of Freedom Vibration Table HAN Zhi, CHEN Chun-Lei, FU Qiang, HAPO Jin-Fei, CHENG Zhao-Yang (562)
- Effects of Pressure Medium on Dynamic Characteristics of Pressure Measuring System with Transmission Pipe WANG Hong-bo, YANG Yang-zhongfu, WANG Xiao-wen, WANG Chen-chen (568)
- Research on the Bias Combination Algorithm for Programmable Josephson Junction Array LIANG Pan, QIAN Lu-shuai, REN Wei, SUN Ying-li, CUI Chao-yi, ZHAO Jian-ting, ZHANG Dan-dan (575)
- Microgrid Fault Diagnosis Based on Deep Transfer Learning and LSTM Network WU Zhong-qiang, LU Xue-qin (582)
- Analysis and Evaluation on the Uncertainty of Doppler Frequency Measurement Based on LDV Velocity Measurement Algorithm ZHANG Yu-wen, CUI Li-shui, XIE Dai-liang, YANG Zhao-xin (591)
- Optimal Flow Characteristics and Timing Error of a Rotary Flow Diverter YANG Wan-li, WANG Xin-gen, CHEN Yu-jie, SHEN Yu-ming (598)
- Atomic Vapor Cell's Relaxation Rate Measurement Based on Atomic Rabi Resonance MIN Ji-chi, JIN Shuang-hao, JIANG Wen-song, RU Ning, LUO Zai (604)
- Target Tracking Method Based on Cross-channel Attention ZHANG Li-guo, GENG Xing-shuo, JIN Mei, ZHANG Yu-peng, ZHANG Sheng (609)
- Measurement of the Mass Attenuation Coefficient of Medical Radiation Module by HXCF GUO Kai-yue, ZHAO Tian-qi, GUO Si-ming, JIANG Zheng, QIE Xiao-yu, YU Tao, WU Jin-jie (616)
- An Adaptive Lorentz Peak Fitting Method Based on GA-NSVM to Identify Overlapping Peaks of Infrared Spectrum Absorption LI Zhong-bing, PANG Wei, LIANG Hai-bo, JIANG Chuan-dong, DUAN Hong-ming, LUO Yi (622)
- Combined Prediction Model of SO_2 Concentration at Outlet of Absorber Based on VMD-IASO-ELM JIN Xiu-zhang, LI Yang-feng, YAO Ning (630)
- The Calibration Method and Uncertainty Evaluation for Cooking Fumes Monitor SHEN Shang-yi, ZHANG Guo-cheng, SI Chuan-hai, ZHANG Chun, LÜ Chao, WU Dan (638)
- Feature Extraction and Analysis of Organic Mixture Signal Based on Blind Source Separation HUANG Xiu, KANG Jia-cheng, WANG Qi, LI Yan-kun (645)
- Modification of Rapid Evaluation Method for $\text{PM}_{2.5}$ Cutter by Internal Calibration Method LIU Jia-qi, ZHANG Guo-cheng, TIAN Ying, WU Dan, SHEN Shang-yi, JING Wen-jie, QU Xiao-hu, ZHANG Yan-wei (653)
- Research of Blood Glucose Control State Detection Based on Percussion Entropy XIAO Ming-xia, LU Chang-hua, NA Ta, WANG Tao (657)
- The Measurement Uncertainty Evaluation of Linear Regression Fitting XIA Yu-guo, PENG You-zhi, LIU Zheng-hua, SONG Xiao, ZENG Zhuo (664)

计 量 学 报
ACTA METROLOGICA SINICA
月刊 Monthly

1980 年 1 月创刊 Established in January, 1980
2023 年 4 月 第 44 卷 第 4 期 April, 2023. Vol. 44, No. 4
总第 223 期 Serial No. 223 (2023 年 4 月 28 日出版)

主管单位 国家市场监督管理总局
主办 中国计量测试学会
出版 计量学报编辑部
编 辑 计量学报编辑委员会
主编 崔丽红
通信处 北京 1413 信箱
(邮政编码 100029)
电话 (010)64271480
印刷 北京科信印刷有限公司
国内总发行 北京报刊发行局
国内订购处 全国各地邮局
国外总发行 中国国际图书贸易集团
有限公司 (北京 399 信箱)

Administrated by: State Administration for Market Regulation
Sponsored by: Chinese Society for Measurement
Published by: Acta Metrologica Sinica Press
Edited by: Editorial Board of the Acta Metrologica Sinica
(P. O. Box 1413, Beijing 100029, China)
Editor in Chief: Cui Li-hong
Tel: (010)64271480
Email: jiliangxuebao@163.com
Home page: jlxb.china-csm.org
Printed by: Beijing Kexin Printing Co., Ltd.
Overseas Distributor: China International Book Trading Corporation (P. O. Box 399, Beijing 100044, China)
Domestic Distributor: Beijing Baokan Faxingju
Subscription Office: All Local Post Offices in China

ISSN 1000-1158 国内邮发代号:2-798 国外邮发代号:BM232 国内定价:全年 1200.00 元 本期 100.00 元
CN 11-1864/TB