

中文核心期刊
中国科技核心期刊
Scopus数据库收录期刊

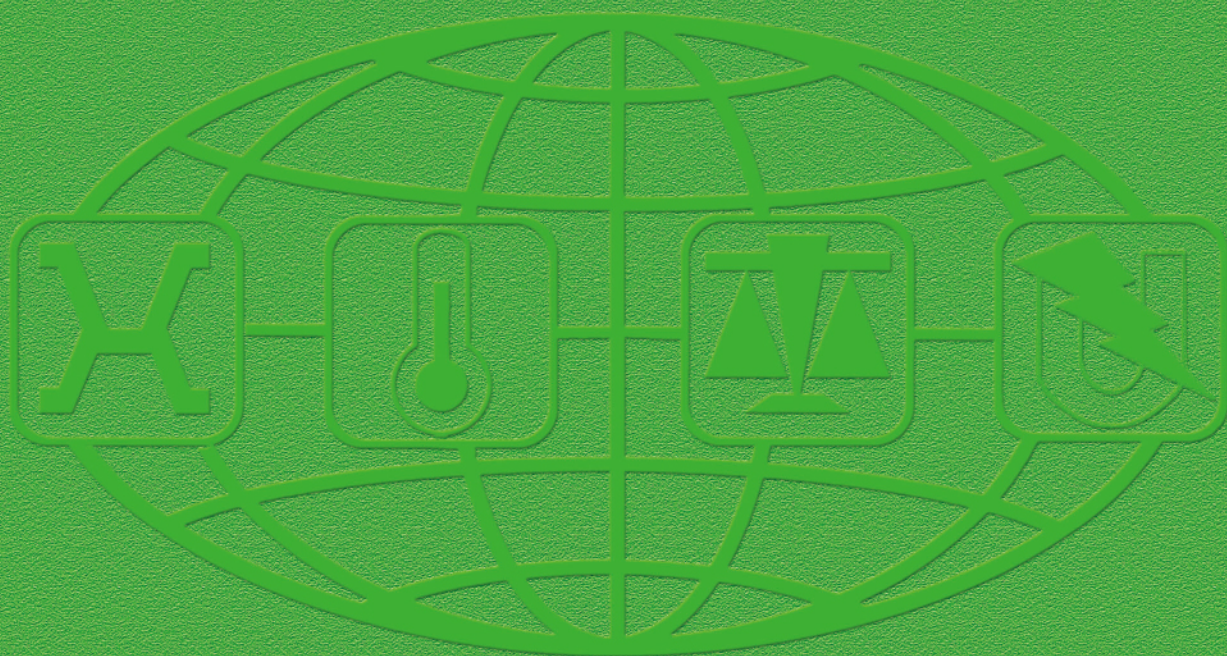
ISSN 1000-1158
CODEN JIXUEU
CN11-1864/TB

计量学报

JILIANG XUEBAO
ACTA METROLOGICA SINICA

第 41 卷
Vol.41

第 6 期
No.6



2020

ISSN 1000-1158



中国计量测试学会

计 量 学 报

第 41 卷 第 6 期 2020 年 6 月

目 次

实用氦气声学温度计初步研究	杨胜良, 冯晓娟, 林 鸿, 张金涛, 任 成 (633)
基于烟花算法与长短时记忆网络的模温预测方法研究	张典范, 栗子豪, 程淑红 (640)
基于分段线性法的红外辐射计响应度标定研究	何映锋, 邓乐武, 吴 杰, 魏 平, 王 睿 (646)
校准短型廉金属热电偶相关问题的研究	王 喆, 余松林, 沈文杰, 李强光, 田 昀, 蒋 静 (650)
基于 C#编程实现高斯牛顿法求解激光跟踪干涉仪基站空间坐标	唐文秀, 林 虎, 薛 梓, 秦海濛, 铁咪咪 (656)
利用离散平稳小波变换改进 NURBS 二次曲面拟合方法	田小强, 孔令富, 孔德明, 崔永强 (662)
基于改进 Sierra 抖动算法的微离焦投影三维轮廓测量技术研究	魏小华, 徐文俊, 徐雪雅 (669)
一种单频激光干涉仪非线性误差修正方法研究	金 涛, 唐一揆, 乐燕芬, 刘芳芳, 雷李华 (676)
基于色差聚类的原木图像端面检测与统计	唐 浩, 王克俭, 李晓辉, 剪文灏, 谷建才 (682)
基于显微光学成像的微细纤维测量识别系统光源优化研究	郑之远, 俞晓磊, 刘振鲁, 赵志敏 (689)
利用微米划痕研究 TiN 涂层的失效机理	刘 明, 李 烁, 高诚辉 (696)
基于组合辛普森积分的振动测试时域积分方法	许晓红, 倪春锋, 颜晓青 (704)
基于改进的自适应无参经验小波变换的滚动轴承故障诊断	李继猛, 王 慧, 李 铭, 姚希峰 (710)
基于改进变分模态分解的滚动轴承故障诊断方法	孟 宗, 吕 蒙, 殷 娜, 李 晶 (717)
基于图像处理的带式输送机煤体积计量	王桂梅, 逯圣辉, 刘杰辉, 杨立洁 (724)
横板型稳压罐气液两相流场数值模拟及流量稳定性研究	于陆军, 曹久莹, 马宇明, 侯松梁, 郑海富 (729)
基于 GA-ELM 的锂离子电池 RUL 间接预测方法	陈则王, 李福胜, 林 娅, 杨 柯, 王友仁 (735)
基于 JJG(闽)1086-2018 放射治疗 CT 模拟定位机 X 射线辐射源的质控分析	高 翔, 石丽婉, 傅丽蓉, 陈思佳, 刘 俊, 何逸鹏, 陈思嘉 (743)
基于幂指数法预测柴油十六烷值	王家兴, 张会成, 凌凤香 (748)
基于小波优化 EEMD 的二氧化硫检测	王志芳, 王书涛, 王贵川, 车先阁 (752)
差分吸收光谱测量臭氧浓度信号去噪的实验研究	郑海明, 刘 佳 (759)
一种气溶胶光度计质量浓度的校准方法	张爱亮, 刘 悦, 陈启悦, 王婷婷, 施禅臻, 张子通 (765)

ACTA METROLOGICA SINICA

(MONTHLY)

Vol. 41 , No. 6 , June 2020

CONTENTS

Preliminary Research on Practical Acoustic Gas Thermometry Using Helium
..... YANG Sheng-liang, FENG Xiao-juan, LIN Hong, ZHANG Jin-tao, REN Cheng (633)

Research on Model Temperature Prediction Method Based on Fireworks Algorithm and Long and Short Time Memory Network
..... ZHANG Dian-fan, LI Zi-hao, CHENG Shu-hong (640)

Spectral Responsivity Calibration of Infrared Radiometer Based on Piecewise Linear Calibration Method
..... HE Ying-feng, DENG Le-wu, WU Jie, WEI Ping, WANG Rui (646)

Research on Calibration of Short Base Metal Thermocouples
..... WANG Zhe, YU Song-lin, SHEN Wen-jie, LI Qiang-guang, TIAN Yun, JIANG Jing (650)

Calculation of Base Station Coordinate for Tracking Interferometer with Gauss-Newton Algorithm Realized by C#
..... TANG Wen-xiu, LIN Hu, XUE Zi, QIN Hai-meng, TIE Mi-mi (656)

An Improved Method for NURBS Quadric Surface Based on Discrete Stationary Wavelet Transform
..... TIAN Xiao-qiang, KONG Ling-fu, KONG De-ming, CUI Yong-qiang (662)

Study on Improved Sierra Dithering Algorithm for Micro-defocusing Projector Three-dimensional Profile Measurement Technology
..... WEI Xiao-hua, XU Wen-jun, XU Xue-ya (669)

A Research on Correction Method of Nonlinear Errors for Homodyne Laser Interferometer
..... JIN Tao, TANG Yi-kui, LE Yan-fen, LIU Fang-fang, LEI Li-hua (676)

Logs End Detection and Statistics by Color Difference Clustering
..... TANG Hao, WANG Ke-jian, LI Xiao-ye, JIAN Wen-hao, GU Jian-cai (682)

Research on Light Source Optimization of Microfiber Measurement and Recognition System Based on Micro-optical Imaging
..... ZHENG Zhi-yuan, YU Xiao-lei, LIU Zhen-lu, ZHAO Zhi-min (689)

Study of Failure Mechanism of TiN Coatings by Micro-scratch Testing LIU Ming, LI Shuo, GAO Cheng-hui (696)

Time Domain Integral Method for Vibration Test Based on Combined Simpson Integral XU Xiao-hong, NI Chun-feng, YAN Xiao-qing (704)

Rolling Bearing Fault Diagnosis Based on Improved Adaptive Parameterless Empirical Wavelet Transform
..... LI Ji-meng, WANG Hui, LI Ming, YAO Xi-feng (710)

Fault Diagnosis Method of Rolling Bearing Based on Improved Variational Mode Decomposition
..... MENG Zong, LÜ Meng, YIN Na, LI Jing (717)

Coal Volume Measurement of Belt Conveyor Based on Image Processing ... WANG Gui-mei, LU Sheng-hui, LIU Jie-hui, YANG Li-jie (724)

Numerical Simulation on Gas-liquid Two-phase Flow Field in the Horizontal-baffle Type Surge Tank and Study on the Flow Stability
..... YU Lu-jun, CAO Jiu-ying, MA Yu-ming, HOU Song-liang, ZHENG Hai-fu (729)

Indirect Prediction Method of RUL for Lithium-ion Battery Based on GA-ELM
..... CHEN Ze-wang, LI Fu-sheng, LIN Ya, YANG Ke, WANG You-ren (735)

Study on the Quality Control for Computed-tomography Simulators Based on JJG1086-2018
..... GAO Xiang, SHI Li-wan, FU Li-rong, CHEN Si-jia, LIU Jun, HE Yi-peng, CHEN Si-jia (743)

Prediction of Diesel Cetane Number Based on Power Index Method WANG Jia-xing, ZHANG Hui-cheng, LING Feng-xiang (748)

Detection of SO₂ Based on EEMD Optimized by Wavelet WANG Zhi-fang, WANG Shu-tao, WANG Gui-chuan, CHE Xian-ge (752)

Experimental Study on Denoising of Ozone Concentration Signal by Differential Absorption Spectroscopy
..... ZHENG Hai-ming, LIU Jia (759)

A Calibration Method for Mass Concentration of Aerosol Photometers
.....**万方数据**..... ZHANG Ai-liang, LIU Yue, CHEN Qi-yue, WANG Ting-ting, SHI Chan-zhen, ZHANG Zi-tong (765)