

目次

光电系统

- 一种易于制造的空间相机光学系统设计..... 王洪伟,巩青歌,王彩铃,等(1)
基于数字干涉仪的平行光管分划板安装方法..... 曹智睿,吴国栋(4)
红外成像设备内场测试系统设计..... 董明良,李航宇,林涛(8)
光电经纬仪大气折射误差修正方案..... 韩先平(11)

激光技术

- 激光雷达散射截面测量误差分析..... 周亚凡,刘颖,叶宗民(14)
高精度双路相关脉冲激光器的设计..... 叶本志,汪高勇,叶文(19)
一种用于CPT磁力仪的激光调制信号设计..... 熊天林,孔小健,雷选华,等(23)

光电器件与材料

- 耦合型光纤滤波器的特性分析..... 陈金鹏,张少先,柳春郁(28)
电容触摸式LCD视角补偿及三基色色散特性研究..... 黄翀,欧阳艳东,郭阳明,等(32)

信号与信息处理

- 双目摄像机的自标定方法研究..... 朱水娟,赵勋杰(36)
基于方向性小波变换的图像稀疏修复..... 宁本德,屈小波,陈忠(40)
辐射阻尼正反馈增强作用的磁共振成像模拟..... 党钊钊,孙惠军,陈忠(45)

电路与控制

- 电子倍增CCD驱动电路设计..... 白玉栋,张守才(51)
基于STM32的智能家居系统..... 刘鹏飞,刘云学(55)

测试、试验与仿真

- 一种对毫米波的Mie散射测试与研究..... 张紫浩,刘强虎,闵江(61)
电子设备机箱散热仿真分析..... 苏世明,李伟(64)
基于仿真视频的光电跟踪器测试..... 刘珍阳,王毅(68)
基于Vega的红外目标成像仿真研究..... 王志刚,付欣,尚举邦(73)
正交试验在软件测试用例设计中的应用..... 何苗,朱有德(77)
基于1553B总线的仿真测试软件的设计与实现..... 王科,张宇,哈斯,等(80)

企业介绍: 征稿简则(封二) 北京康特曼电子系统有限责任公司(封三)

ELECTRO-OPTIC TECHNOLOGY APPLICATION

Vol.28 No.3(Series No.130)

Bimonthly, June 2013

CONTENTS

Opto-electronic System

- Easily Fabricated Optical System Design of Space Camera WANG Hong-wei, GONG Qing-ge, WANG Cai-ling, et al(1)
Installation Method of Collimator Reticle Based on Digital Interferometer CAO Zhi-rui, WU Guo-dong(4)
Design for Laboratory Testing System of Infrared Imaging Equipment DONG Ming-liang, LI Hang-yu, LIN Tao(8)
Error Correction Methods for Atmospheric Refraction of Electro-optical Theodolite HAN Xian-ping(11)

Laser Technology

- Measurement Error Analysis for Scattering Cross Section of Laser Radar ZHOU Ya-fan, LIU Ying, YE Zong-min(14)
Design of Correlation Pulse Laser with High Precision and Two-path Circuit YE Ben-zhi, WANG Gao-yong, YE Wen(19)
Design of Laser Modulation Signal for CPT Magnetometer XIONG Tian-lin, KONG Xiao-jian, LEI Xuan-hua, et al(23)

Opto-electronic Device and Material

- Characteristics Analysis for Coupling Optical Fiber Filter CHEN Jin-peng, ZHANG Shao-xian, LIU Chun-yu(28)
Research on Viewing Angle Compensation of LCD with Capacitive Touch Panel and Dispersion Characteristics of Three Primary Colors
..... HUANG Chong, OUYANG Yan-dong, GUO Yang-ming, et al(32)

Signal and Information Processing

- Research on Self-calibration Method of Binocular Camera ZHU Shui-juan, ZHAO Xun-jie(36)
Image Sparse inpainting Based on Directional Wavelet Transform NING Ben-de, QU Xiao-bo, CHEN Zhong(40)
Simulation of Magnetic Resonance Imaging on Radiation Damping Regenerative Feedback Enhancement Effect
..... DANG Zhao-zhao, SUN Hui-jun, CHEN Zhong(45)

Circuit and Control

- Driving Circuit Design for Electronic Multiplication CCD BAI Yu-dong, ZHANG Shou-cai(51)
Smart Home System Based on STM32 LIU Peng-fei, LIU Yun-xue(55)

Tests, Experiments and Simulation

- Test and Research on Mie Scattering in Millimeter Wave ZHANG Zi-hao, LIU Qiang-hu, MIN Jiang(61)
Simulation Analysis of Heat Exhaust of Electron Equipment Chassis SU Shi-ming, LI Wei(64)
Electro-optical Tracker Testing Based on Simulation Video LIU Zhen-yang, WANG Yi(68)
Simulation Research on IR Target Imaging Based on Vega WANG Zhi-gang, FU Xin, SHANG Ju-bang(73)
Application of Orthogonal Experiment in Software Test Case Design HE Miao, ZHU You-de(77)
Design and Implementation of Simulation Test Software Based on 1553B Bus WANG Ke, ZHANG Yu, HA Si, et al(80)