

目 次

•目标识别与跟踪•

- PCA 与自适应阈值相结合的运动目标检测·····王思明,鲁永杰 (1)
- 多机动目标 GM-CBMeMber 跟踪算法·····陈金广,王 战,马丽丽 (7)
- 基于改进 ORB 特征匹配的运动小目标检测·····刘 威,赵文杰,李 成,徐忠林,田铠侨 (13)
- 弹光调制的频率自跟踪技术·····陈光威,安永泉,王志斌,陈友华,张敏娟,王国梁,杨 晓 (21)

•光学设计•

- EAST 托卡马克等离子体可见光诊断系统光学设计·····杨晓飞 (27)
- 长出瞳距军用瞄准镜目镜设计·····李玉瑶,张婉怡 (33)
- 基于液体透镜的显微镜自动调焦技术·····张祥翔 (37)
- 具有整体径向挠性的光学元件多点均匀支撑结构·····赵 磊,彭海峰,于新峰,东立剑 (43)

•显示技术•

- 融合实时三维采集及多视三维显示的真三维端到端系统·····
·····张赵行,耿 征,刘永春,李 伟,李托拓,王晶一,张 骁 (49)

•波导光学与光纤技术•

- 液芯光波导微型光反应器·····
·····黄黎明,方靖淮,许 田,金永龙,王超男,袁 文,曹庄琪,李红根,梁 雅,尚志楠 (55)
- 砷化镓吸收式光纤温度传感技术的解调方法·····
·····胡 昆,董玉明,傅惠南,焦国华,鲁远甫,罗星星 (61)
- 超长分段结构光纤倏逝波传感器·····李本冲,楼 俊,许宏志,沈建华,黄 杰,徐 贵,沈为民 (67)

•光电器件与系统•

- 基于铈酸锂光折变光栅的表面等离子滤波器·····张 明,余渝栋,乐孜纯 (73)
- 离线式电离辐照面阵 CCD 测试系统·····罗通顶,杨少华,王祖军,李 刚,郭明安,严 明 (78)

•生物与医用光学•

- 血管内超声图像序列关键帧的自动检索·····王立欣,孙 正 (83)
- 基于 K 域抽取的色散编码全范围频域 OCT 技术·····冷 吉,白宝平,汪 毅,陈晓冬,郁道银 (90)

Opto-Electronic Engineering

Vol.42, No.10

Oct, 2015

(Monthly)

Total No. 311

1974—2015

Contents

• Target Recognition and Tracking •

Moving Object Detection Combining PCA and Adaptive Threshold..... *WANG Siming, LU Yongjie* (1)

GM-CBMeMber Tracking Algorithm of Multiple Maneuvering Targets..... *CHEN Jinguang, WANG Zhan, MA Lili* (7)

Detecting Small Moving Target Based on the Improved ORB Feature Matching.....
.....*LIU Wei, ZHAO Wenjie, LI Cheng, XU Zhonglin, TIAN Kaiqiao* (13)

Self Tracking Technology of Photoelastic Modulation Frequency.....
.....*CHEN Guangwei, AN Yongquan, WANG Zhibin, CHEN Youhua, ZHANG Minjuan, WANG Guoliang, YANG Xiao* (21)

• Optical Design •

Design of Visible Optical Plasma System EAST Tokamak.....*YANG Xiaofei* (27)

Design of Eyepiece with Long Exit Pupil Distance Used in Military Sighting Telescope..... *LI Yuyao, ZHANG Wanyi* (33)

Autofocus Technology Based on Liquid Lens in Microscopic Imaging System..... *ZHANG Xiangxiang* (37)

Lens Support Structure of Multi Point Equal Supporting with Wholly Radical Freedom.....
.....*ZHAO Lei, PENG Haifeng, YU Xinfeng, DONG Lijian* (43)

• Display Technologies •

Integrated True-3D End-to-end System of Real-time 3D Acquisition and Multiview 3D Display
.....*ZHANG Zhaoxing, GENG Zheng, LIU Yongchun, LI Wei, LI Tuotuo, WANG Jingyi, ZHANG Xiao* (49)

• Waveguide Optics and Optical Fiber Technologies •

A Micro Optical Reactor Based on a Liquid-core Optical Waveguide.....*HUANG Liming, FANG Jinghui,*
XU Tian, JIN Yonglong, WANG Chaonan, YUAN Wen, CAO Zhuangqi, LI Honggen, LIANG Ya, SHANG Zhinan (55)

Demodulation Method about Gallium Arsenide Absorption Fiber Optic Temperature Sensing Technology
.....*HU Kun, DONG Yuming, FU Huinan, JAO Guohua, LU Yuanfu, LUO Xingxing* (61)

Long Segmented Structure Optic Fiber Evanescent Wave Sensor.....
.....*LI Benchong, LOU Jun, XU Hongzhi, SHEN Jianhua, HUANG Jie, XU Ben, SHEN Weimin* (67)

• Opto-electronic Device and System •

Surface Plasma Filter Based on Photorefractive Grating in Lithium Niobate..... *ZHANG Ming, YU Yudong, LE Zichun* (73)

An Off-line Array CCD Test System for Ionizing Radiation Experiment
.....*LUO Tongding, YANG Shaohua, WANG Zujun, LI Gang, GUO Ming'an, YAN Ming* (78)

• Biological and Medical Optics •

Automated Retrieval of Key Frames from Intravascular Ultrasound Image Sequences.....*WANG Lixin, SUN Zheng* (83)

A Dispersion Encoded Algorithm for Full Range Frequency Domain Optical Coherence Tomography Based on K-domain
Extraction.....*LENG Ji, BAI Baoping, WANG Yi, CHEN Xiaodong, YU Daoyin* (90)