

《红外技术》第 26 卷(2004 年)总目录索引

题目	作者	期次	页码
▲系统与设计▲			
小波变换在特征级多重图像融合与目标分类中的应用	蒋晓瑜, 高雅允	1	1
一种基于双波段的红外搜索与跟踪系统的单站测距方法	辛云宏, 杨万海, 王保平	1	5
树状分类器用于气体红外光谱数据的识别分类	范 伟	1	9
基于立方体的多视场转换器	徐参军, 冯生荣	1	13
基于向量小波变换及 Fisher 算法的红外弱小目标检测	徐永兵, 裴先登, 夏 涌	1	17
基于形态滤波和顺序滤波的小目标检测	董鸿燕, 李吉成, 沈振康	1	21
对广义巴特利特定理证明的见解	韩 涛, 胡以华	1	25
导引头光学系统性能测试仪的研制	彭其圣	1	27
热释电式睡眠呼吸暂停监测	吴海锋, 许 锋, 陈建华, 等	1	31
双波段热成像系统光谱匹配因数	赵进豪, 褚云汉, 李 茜	1	34
基于 ZEMAX 软件的二组元变焦系统凸轮曲线设计程序	曹红曲, 金 宁	1	38
多光谱图像的信息分析及数据压缩	蒋青松, 王建宇	1	44
一种起伏背景下的红外小目标检测算法	张艳晶, 杨卫平	1	48
基于 Lab View 的四象限探测器光电参数测量系统	邢冀川, 田 超	2	33
非制冷红外侦察仪红外镜头配置研究	潘 平	2	37
一种形态金字塔扫描图像去噪方法	任获荣, 张 平, 王家礼	2	40
基于神经网络的红外焦平面非均匀校正的新算法	张小军, 赵亦工	2	44
一种基于图像融合的红外图像增强新算法	林晓春, 王 艳	2	48
一种基于自适应背景抑制的红外小目标检测方法	聂洪山, 李 飏, 沈振康	2	51
红外焦平面空间抽样特性分析与测试	张 毅, 张保民, 柏连发	2	54
迂回相位编码的傅立叶变换计算全息图及其再现	王永仲, 张 勇, 薛 芯	2	57
红外 R-C 光学系统设计	李 刚, 张恒金, 徐沛尧	2	60
应用于多元探测器遥感仪的 45° 二维扫描镜像旋分析	惠 彬, 裴云天	3	45
基于 EM78P468 单片机的红外遥控器的编程与开发	张克芳, 吴世龙	3	49
红外搜索系统的作用距离及其等效检验	吴晗平, 易新建, 杨坤涛	4	1
凝视型红外搜索跟踪系统作用距离模型中参数值的确定	王兵学, 张启衡, 王敬儒, 等	4	6
红外成像跟踪算法性能及应用分析	吕相银, 黄超超, 凌永顺	4	11
激光扫描成像系统的设计分析及应用	李田泽	4	16
光学-近红外相机 CASCAM 机械设计	吴建文, 任诗波, 季春宏, 等	4	20
傅里叶变换光谱仪中干涉信号的畸变	吴航行, 华建文, 王培纲, 等	4	25
基于 TMS320C6203 DSP 的实时红外图像处理系统	王永仲, 郭 豪, 何永强	5	46
红外成像系统稳像技术	刘 平, 王 平	5	49
基于弥散斑单基站定距的可行性分析	刘向东, 张 河	5	52
某机载红外测量吊舱系统	陈 建	5	55
基于 FPGA 的实时图像跟踪系统	段德军, 向健勇, 孙 勃	5	58
基于 ADSP21062 的多处理器系统在实时图像处理中的应用	孙 勃, 向建勇, 张 庆, 等	5	62
红外与可见光图像实时配准融合系统	刘卫光, 郭师红, 周利华	5	66
红外导引头定向扫描方式研究	杨 乐, 陈少华, 卿建军, 等	5	72
红外焦平面阵列性能参数测试平台	肖 静, 周 昊, 何兆湘, 等	5	75
基于半实物仿真的红外侦察告警系统性能评估方法	李 华, 李 宏, 吴军辉, 等	5	80
一种高速飞行器自主式惯性/红外成像制导系统	张义广, 丁明跃, 周成平, 等	5	86
探测器 CCD 驱动电路的设计	王 敏	5	90
采用一种优化编码方法的光学相关器在目标识别中的应用	王永仲, 张 勇, 沈学举, 等	6	1
光电成像系统性能参数 MRC 及其测量方法	李升才, 金伟其, 张建勇, 等	6	5
热分析中辐射传递系数的迭代计算	沈国土, 杨宝成, 蔡继光, 等	6	9
二元光学工艺参数计算	农文捷, 金 宁	6	13
一种基于数据融合方法的高可靠性的图像信号处理系统	林晓春, 李存志, 郭艳艳, 等	6	17
干涉式大气垂直探测仪支撑面弹簧缝形的优化设计	陶津平, 华建文, 代作晓, 等	6	22

亮度增益对夜视仪视距的影响	狄慧鸽, 赵 爽, 钱芸生, 等	6	27
卫星侦察红外特征数据库关键问题探讨	李军梅, 胡以华, 蔡晓春	6	31
利用 DSP 图像处理系统实现红外焦平面阵列的非均匀性校正	柳 刚, 黄竹邻, 周 昊, 等	6	34
▲测试技术▲			
基于 FTIR 的目标背景辐射测量方法研究	朱 军, 刘文清, 陆亦怀, 等	1	52
红外热成像仪温度场测量的几何信息还原	刘高文, 郭一丁	1	56
红外烟幕遮蔽率测试方法研究	朱晨光, 潘功配, 关 华, 等	4	81
落管中双波长测温的工作波长选择	唐 韬, 李恩普, 吴长江	6	38
▲材料与器件▲			
复合热释电薄膜红外探测器的二维热分析	张 伟, 姚 熹, 吴小清	1	60
新型 Gamma 射线像增强器	胡茂海, 高万荣	1	64
光刻技术在钢柱制备工艺中的应用研究	杨春丽, 黄江平, 黎 力, 等	1	67
波长范围 1~3μm 的红外探测器相对光谱响应特性的测量	彭曼泽, 刘一民, 李立华, 等	2	64
超巨磁电阻薄膜物理及应用	张鹏翔, 陈雪梅, 王 荃, 等	3	53
快速响应热释电器件降噪	胡 旭, 刘晓明, 太云见, 等	3	63
MATLAB 在红外可视化分析中的应用	王忆锋	4	65
共振腔增强 GaInAsSb 光电探测器设计及数值模拟	李 军, 宋 航, 金亿鑫, 等	4	69
影响红外反射涂层降温性能的因素	孙元宝, 韩 涛, 彭著良, 等	4	73
CMOS APS 在太阳敏感器中的应用研究	朱鸿泰, 孙胜利, 陈桂林	4	76
碲锌镉晶片退火的显微 Raman 光谱分析	黄 晖, 潘顺臣	5	37
一维情况下平面 PN 结连续性方程的一般形式解	王忆锋	5	40
恒定辐照下一维 HgCdTe 环孔 PN 结光生载流子浓度的计算	王忆锋, 蔡 毅	6	41
1~3μm 短波红外光导探测器阳极氧化工艺的研究	洪 雁, 赵 鹏, 郑丽娟, 等	6	45
磁性颗粒膜中注入电流驱动激发实验研究	袁 敏	6	48
▲综述与评论▲			
基于 288×4 焦平面探测器的二代热成像系统分析	金伟其, 张未强, 王春勇	2	1
削弱精确制导武器打击能力的集中对策	渠立永	2	6
涂料型红外隐身材料研究进展	宋兴华, 於定华, 马新胜, 等	2	9
漫谈焦平面热像仪的使用与开发	周 群	2	13
机载光电瞄准系统的现状及发展	陈希林, 傅裕松, 尉洵楷	2	18
红外焦平面阵列读出电路技术分析	方 丹	2	23
水面舰艇红外隐身技术	李海燕, 何友金, 朱 敏	2	29
▲红外应用▲			
塑料芯片的红外激光加热键合研究	赖建军, 陈西曲, 周 宏, 等	2	68
红外评估软件在热力管道保温评估中的应用与研究	张 红, 李晓刚, 郭丽杰	2	71
PDA 遥控红外家点设备初探	刘 骊, 陈 玮	2	77
用 FT-IR 研究聚氯乙烯窗框变黄机理	杨爱民, 张 曙, 阚家德	2	8
毫米波与红外技术在军事领域中的应用	任丽娜, 曲延滨	3	66
高性能时间间隔测量装置及其在激光成像中的应用	张 立, 陈育伟, 胡以华	3	71
太阳能热水器保温桶缺陷的红外检测技术	隋 婧, 王 霞, 金伟其, 等	3	75
基于神经网络与近红外光谱的玉米成分检测方法	林 敏, 吕 进	3	78
基于红外测温技术的焊接温度场数值仿真研究	谭险峰, 张 华	6	93
红外热像仪用于医学中	杨爱明, 杨 宇, 余仕汝, 等	6	97
▲红外焦平面▲			
多色红外焦平面器件的现状、发展趋势及军事应用分析	刘 武, 孙国正	3	1
基于图像分割和配准的红外焦平面阵列非均匀校正算法	徐田华, 张小军, 赵亦工	3	5
红外焦平面非均匀性校正算法研究与实现	杨正兴, 谈新权, 尚小冬	3	11
雷神公司的非制冷红外焦平面阵列的特性参数分析	黄宗升, 秦石乔, 王省书	3	15
虚拟仪器在 128×128 热释电 IRFPA 联调及成像中的应用	薛 联, 袁祥辉	3	19
▲图像处理与目标识别▲			
微光与红外图像融合质量视觉评价实验	石俊生, 金伟其, 王岭雪	3	22
一种基于小波的图像模糊熵阈值分割算法	韩建栋, 向健勇, 尹 超	3	29
基于兴趣区检测的地面目标识别方法研究	左峥嵘, 张天序	3	33

基于红外辐射信息的IRST系统机动目标跟踪算法	辛云宏, 杨万海	3	37
基于改进递归最大值滤波的红外点目标检测	江 涛, 王永仲	3	41
▲图像处理与仿真▲			
一种塔形分解的红外与可见光图像融合方法	刘卫光, 周利华	4	31
基于M带小波变换与模糊聚类的图像去噪算法	任获荣, 余望好	4	36
多光谱图像配准实时处理技术研究	孔 渊, 崔洪洲, 周起勃	4	41
基于空间屏蔽的M通道小波星图去噪法	马林立, 孙 尧	4	45
一种基于图像的激光远距离传输光斑仿真方法	许 平, 张英远, 刘劲松	4	48
微光分辨率测试图像计算机仿真研究	刘正云, 金伟其, 黄艳俊, 等	4	53
面向对象的舰船红外特征动态仿真	寇 蔚, 杨 立, 孙丰瑞	4	57
基于Vega的微光夜视系统性能仿真技术研究	钱芸生, 刘 磊, 李 元, 等	4	61
基于Curvelet变换的红外图像背景杂波抑制算法	李智杰, 高新波, 姬红兵	5	1
舰船目标红外图像锐化处理	刘延武, 何友金, 孙旭辉	5	5
一种基于粒子群算法的红外运动小目标检测算法	许春晓, 孙德宝, 李 宁, 等	5	10
基于人眼视觉系统的红外背景杂波量化技术	常洪花, 张建奇	5	13
多模型预处理和关联度融合检测红外目标	林晓春, 郭艳艳, 王 艳, 等	5	18
一种基于时间Kalman估计器的红外小目标检测方法	聂洪山, 沈振康	5	22
小波多尺度空间屏蔽法在星图降噪中的应用	马林立, 孙 尧	5	25
基于CCD图像的远距离目标实时监测	万 磊, 仲思东	5	28
基于运动判断的动态帧间滤波方法	张俊举, 邢素霞, 常本康, 等	5	33
基于四方向导数信息的图像非线性扩散去噪	谢美华	6	51
基于自适应Wiener滤波的红外小目标检测方法	聂洪山, 沈振康	6	54
一种基于KPCA的图像去噪方法	陆 波, 毕笃彦, 谭 军	6	58
一种基于区域背景预测的红外弱小目标检测方法	尹 超, 向健勇, 韩建栋	6	62
云杂波背景图像序列中小目标检测算法研究	张 兵, 卢焕章	6	66
红外图像评价质量研究	徐春梅, 李 刚, 胡文刚, 等	6	72
薄雾模糊图像的恢复算法研究	胡茂海, 谢仁龙, 高万荣	6	76
红外目标仿真的两种热源模型比较与分析	马丙辰, 谌海新	6	79
一种图像分割的快速目标描述方法	张 庆, 向健勇, 赵小明, 等	6	83
二维时间延迟积分红外图像实时增强处理技术	顾国华, 冯国进, 陈 钱, 等	6	86
基于OTSU准则及图像熵的局部递归分割算法研究	韩建涛, 姜卫东, 陈曾平	6	89

INDEX TO VOLUME 26(2004)

Subject Matter	Author	No.	Page
▲SYSTEMS & DESIGNS▲			
An Application of Wavelet Transform in Feature Level Image Fusion and Object Classification	JIANG Xiao-yu, GAO Zhi-yuan	1	1
A Method of Single Observer Ranging Based on Double Bands of IRSTs	XIN Yun-hong, YANG Wan-hai, WANG Bao-ping	1	5
Tree Discriminator Algorithm Used for Identification and Classification of Gas Infrared Remote Sensing Data	FAN Wei	1	9
Multiple Field-of-View Attachment Based on Cube-Shaped Frame	XU Can-jun, FENG Sheng-rong	1	13
Infrared Weak Small Target Detection Based on Multiwavelet Tranform And Fisher Algorithm	XU Yong-bing, XIA Yong	1	17
Small Target Detection Based on Morphology Filtering and Order Filtering	DONG Hong-yan, LI Ji-cheng, et al.	1	21
Views on the Demonstration of the General Bartlett Theorem	HAN Tao, HU Yi-hua	1	25
Research of Testing System of Infrared Guidance Head	PENG Qi-sheng	1	27
Pyroelectric Instrument to Inspect the Pause Breath	WU Hai-feng, XU Feng, CHEN Jian-hua, et al.	1	31
The Spectral Matching Factor of the Double Wave Band Thermal Imaging Systems	ZHAO Jing-hao, CHU Yun-han, LI Qian	1	34
2-Unit Cam Design Program for Zoom Systems Based on ZEMAX	CAO Hong-qu, JIN Ning	1	38
Information Analysis and Data Compression for Multispectral Images	JIANG Qing-song, WANG Jian-yu	1	44

A Detection Algorithm of Small Infrared Target under Clutter Background	ZHANG Yan-jing, YANG Wei-ping	1	48
Measurement Method and System of Parameters of Quadrantal Detector	XING Ji-chuan, TIAN Chao	2	33
Configured Study of Infrared Camera Lens for Un-cooled Infrared Thermal System	PAN Ping	2	37
A Method of Scanned Image Denoising Based on Morphological Pyramid	REN Huo-rong, WANG Jia-li, ZHANG Ping	2	40
New Algorithm for Non-uniformity Correction of Infrared Focal	ZHANG Xiao-jun, Zhao Yi-gong	2	44
Plane Arrays Based on Neural Network			
A New Method for Infrared Image Enhancement Based on Image Fusion	LIN Xiao-chun, WANG Yan	2	48
An Adaptive Background Suppression Algorithm for IR Small Targets Detection	NIE Hong-song, LI Biao, SHEN Zhen-kang	2	51
Infrared FPA Spatial Sampling Characteristics Analysis and Measurement	ZHANG Yi, ZHANG Bao-ming, BAI Lian-fa	2	53
The FFT Computer-generated Hologram and It's Reconstruction by Detour Phase Encoding	WANG Yong-zhong, ZHANG Yong, XUE Rui,et al.	2	57
Design of the Infrared R-C Optical System		2	60
Analysis of the Imaging Rotate of the 45° Scanning Mirror	LI Gang, ZHANG Heng-jin, XU Pei-yao	3	45
Programming and Development of Infrared Remote Controls Based on EM78P468	HUI Bin, PEI Yun-tian	3	49
Active Distance and Its Equivalent Test for Infrared Search System	ZHANG Ke-fang, WU Shi-long	4	1
Evaluation of Parameters in Mathematical Model for Operation of Starring IRST System	WU Han-ping, YI Xin-jian, YANG Kun-tao	4	6
	WANG Bing-xue, ZHANG Qi-heng,		
Analysis of Infrared Image Tracking Algorithms Performance and Application	WANG Jing-ru, et al.	4	11
Application and Design Analysis of Imagery System of Laser Scanning	LV Xiang-yin, LING Yong-shun	4	16
A Mechanical Design of Optical-Near Infrared Camera CASCAM	LI Tian-ze	4	20
Distortion of the Inter ferometric Signal in the Fourier Transform Spectrometer	WU Jian-wen, REN Shi-bo, JI Chun-hong, et al.	4	25
Real-Time Infrared Image Processing System Based on Digital Signal Processor TMS320C6203	WU Hang-xing, HUA Jian-wen, WANG Pei-ang, et al.	5	46
Image Stabilization of Infrared Systems	WANG Yong-zhong, GUO Hao, HE Yong-qiang	5	49
Feasibility Analysis of Distance Measurements Based on Defocused Spots from Mono-View	LIU Ping, WANG Ping	5	52
The Airborne Infrared Measuring Pod System (IRMPS)	LIU Xiang-dong, ZHANG He	5	55
Real-Time Image Tracking System Based on FPGA	CHEN Jian	5	58
Application of the Multiprocessor System in the Real Time Image Processing	DUAN De-jun, XIANG Jian-yong, et al		
A Real-Time Multisensor Image Registration and Fusion System	SUN Bo, XIANG Jian-yong, ZHANG Qing, et al.	5	62
The Beamed Scan Mode Study on Infrared Guide Unit in Field of View	LIU Wei-guang, GUO Shi-hong, ZHOU Li-hua	5	66
A Test Bench for Measuring Characteristic Parameters of Infrared Focal Plane Arrays	YANG Le, CHEN Shao-hua, QING Jian-jun, et al.	5	72
Evaluation Method for Infrared Warning &	XIAO Jing, ZHOU Hao, HE Zhao-xiang, et al.	5	75
Reconnaissance Systems Based on HWIL Simulation	LI Hua, LI Hong, WU Jun-hui, XING Hui, et al.	5	80
A Self-Determination INS/IRIGS for High-speed Aircraft			
	ZHANG Yi-guang, DING Ming-yue,	5	86
	ZHOU Cheng-ping, et al		
The Design of CCD Driver of Detector	WANG Min	5	90
The Application of Match Filter Made by Computer in Vander Lugt Correlator	WANG Yong-zhong, ZHANG Yong,	6	1
	SHEN Xue-ju, et al.		
Electro-Optical Imaging System Performance Parameter MRC and its Measurements	LI Sheng-cai, JIN Wei-qi, ZHANG Jian-yong, et al.	6	5
Calculation of the Radiative Transfer Coefficient by Iteration Method in Heat Analysis	SHEN Guo-tu, YANG Bao-cheng, CAI Ji-guang, et al.	6	9
Evaluation of Binary Optics Manufacturing parameters	NONG Wen-jie, JIN Ning	6	13
A More Reliable Image Information Processing System Based on Data-Fusion Model	LIN Xiao-chun, LI Cun-zhi, GUO Yan-yan, et al.	6	17
Design Optimization of the Slit-Shape of Bearing Diaphragm Flexures in Atmospheric Sounding Interferometer	TAO Jin-ping, HUA Jian-wen, DAI Zuo-xiao, et al.	6	22
The Affect of Luminance Gain to Visual Range of LLL Night Vision Apparatus	DI Hui-ge, ZHAO Shuang, QIAN Yun-sheng, et al.	6	27
Discussion on Key Problems of IR Feature Database Based on Satellite	LI Jun-mei, HU Yi-hua, CAI Xiao-chun	6	31
IRFPA No-uniformity Correction Using the DSP Image Processing System	LIU Gang, HUANG Zhu-lin, Zhou Hao, et al.	6	34
▲MEASUREMENTS▲			
Research on Radiance Measurements of Target and Background Based on FTIR	ZHU Jun, LIU Wen-qing, LU Yi-huai, et al.	1	52
Restablishment of Geometric Information in Surface Temperature Measurements With Infrared Thermography	LIU Gao-wen, GUO Yi-ding	1	56
Research of Measuring Method about Sheltering Coefficient of Anti-infrared Smoke-screen	ZHU Chen-guang, PAN Gong-pei, GUAN Hua, et al.	4	81
▲MATERIALS & DEVICES▲			
Two-Dimensional Thermal Analysis of Multi-layer Pyroelectric Thin Film Infrared Detector	ZHANG Wei, YAO Xi, XU Xiao-qing	1	60

A New Type of Gamma-ray Image Intensifier	HU Mao-hai, GAO Wan-rong	1	64
The Application of Photo lithography in Indium Bump Fabrication	YANG Chun-li, HUANG Jiang-ping, LI Li	1	67
Relatively Spectrum Response Detection of Infrared Detector in 1~3μm	PENG Man-ze, LIU Yi-min, LI Li-hua, et al.	2	64
Physics Applications of CMR Thin Film	ZHANG Peng-xiang, CHEN Xue-mei, WANG Chong, et al.	3	53
Noise Suppression of Fast Response Pyroelectric IR Detector	HU Xu, LIU Xiao-ming, TAI Yun-jian, et al.	3	63
The Application of MATLAB in the Visualization of Infrared Analysis	WANG Yi-feng	4	65
Design of GaInAsSb RCE Infrared Photodetector	LI Jun, SONG Hang, JIN Yi-xin, et al.	4	69
Effect of Reducing Temperature Properties of the Infrared Scattering Coating	SUN Yuan-bao, Han Tao, PENG Zhu-liang, et al.	4	73
Sun Sensor Based on CMOS APS	ZHU Hong-tai, SUN Sheng-li, CHEN Gui-lin	4	76
Study on the Annealing Cadmium Zinc Telluride Substrate Wafers by Micro-Raman Spectrum	HUANG Hui, PAN Shun-chen	5	37
Generalized Solutions of One-Dimensional Continuity Equations for Planar PN Junction	WANG Yi-feng	5	40
Calculation of Photocarrier Concentration of a 1-D Loophole HgCdTe PN Junction under Steady-State Incidence	WANG Yi-feng, CAI Yi	6	41
Excitation of a Magnetic Granular Film by an Injected Electric Current-Driven	YUAN Min	6	48
▲SURVEY & REVIEW▲			
Analysis of Second-Generation Thermal Imaging System Based on 288×4 Focal Plane Detector	JIN Wei-qi, ZHANG Wei-qiang, WANG Chun-yong	2	1
Several Countermeasure to Precision-Guided weapon	QU Li-yong, LI Shi-wen	2	6
The Development of Infrared Stealthy Coating and Their Future Prospects	SONG Xing-hua, YU Ding-hua, MA Xin-sheng, et al.	2	9
A Discussion on the Application and Development of FPA Infrared Camera	ZHOU Qun	2	13
The Status and Development of Airborne Electro-Optics Sighting System	CHEN Xi-lin, FU Yu-song, WEI Xun-kai	2	18
Skill Analysis of Readout Intergrated Circuits of IRFPA	FANG Dan	2	23
The Infrared Stealth Technology of Surface Vessel	LI Hai-yan, HE You-jin, ZHU Min	2	29
▲IR APPLICATIONS▲			
Investigation of Infrared Laser Heating and Bonding of Plastics Chips	LAI Jian-jun, CHEN Xi-au, ZHOU Hong, et al	2	64
Application and Research of Infrared Software System to Evaluate the Effect of Heat Preservation for Lines	ZHANG Hong, LI Xiao-gang, GUO Li-jie	2	72
An Introduction to Infrared Remote Control Using PDA	LUI Li, CHEN Wu	2	77
Study on the Mechanism of Changing Yellow of PVC Window Frame by FT-IR	YANG Ai-min, ZHANG Shu, KAN Jia-de	2	84
The Application of Millimeter Wave Technology and Infrared Technology in the Martial Field	REN Li-na, QU Yan-bin	3	66
A High Performance Time Interval Measurement Instrument and Its Application in Laser Imaging	ZHANG Li, Cheng Yu-wei, HU Yi-hua	3	71
IR Detection Technology Applied In Defects Testing of Heat Insulation Layer In Solar Water Heater	SUI Jing, WANG Xia, JIN Wei-qi, et al	3	75
Determination on Components of Corns Based on Neural Networks and Near Infrared Spectrum	LIN Min, LU Jin	3	78
Study on Numerical Simulation of Temperature fields in Welding Process Based on Infrared Measuring Temperature Technique	TAN Xian-feng, ZHANG Hua	6	93
Infrared Imaging System be Used for The Medicine	Yang Aiming, Yang yu, Yu Shiru, et al.	6	97
▲INFRARED FOCAL PLANE ARRAYS▲			
The Status Quo, Developments and Military Application Analysis of the Multi-color IR Focal Plane Arrays	LIU Wu, SUN Guo-zheng	3	1
Image Segmentation and Registration-Based Algorithm for Nonuniformity Correction of Infrared Focal Plane Arrays	XU Tian-hua, ZHANG Xiao-jun, ZHAO Yi-gong	3	5
Study and Implementation of IRFPA Non-uniformity Correction	YANG Zheng-xing, TAN Xin-quan, SHANG Xiao-dong	3	11
Analysis of Characteristic Parameters of Uncooled Focal Plane Arrays (FPA) Made by Raytheon System Company	HUANG Zong-sheng, QIN Shi-qiao, WANG Xing-shu	3	15
▲IMAGE PROCESSING AND TARGET RECOGNITION▲			
Visual Assessment Experiments on Quality of Low Level Light and Infra-red Fused Imagery	SHI Jun-sheng, JIN Wei-qi, WANG Ling-xue	3	22

Algorithm of Adaptive Image Fuzzy-Entropy Segmentation Based on Wavelet Analysis	HAN Jian-dong, XIANG Jian-yong, YIN Chao	3	29
Study on the Recognition Method of Ground Target Based on Detecting Interest Region	ZUO Zheng-rong, ZHANG Tian-xu	3	33
A Method of Maneuvering Target Tracking With IRSTs	XIN Yun-hong, YANG Wan-hai	3	37
Point-Targets Detection Algorithm Based on Modified Recursive Max Filter	JIANG Tao, WANG Yong-zhong	3	41
▲IMAGE PROCESSING AND SIMULATION▲			
Fusion on Weighted Median Pyramidal Decompositions	LIU Wei-guang, ZHOU Li-hua	4	31
An Image Denoising Algorithm Based on M-band Wavelet Transform and Fuzzy Clustering	REN Huo-rong, YU Wang-hao	4	36
Research of Multispectral Image Matching Real Time Process Technology	KONG Yuan, CUI Hong-zhou, ZHOU Qi-bo	4	41
The Method of Star-image Denoising Based M-channel Wavelet Transforms and Space-shield filtering	MA Lin-li, SUN Yao	4	45
A Method Based on the Image to Simulate the Spot of the Laser Beam During Long-distance Propagation	XU Ping, ZHANG Ying-yuan, LIU Jin-song	4	48
Computer Simulation of Resolution Bars Image in the Measurement of Low Light Level Image System	LIU Zheng-yun, JIN Wei-qi, HUANG Yan-jun, et al.	4	53
Object Oriented Simulation of the Infrared Signature of the Naval Vessels	KOU Wei, YANG Li, SUN Feng-Rui	4	57
Performance Simulation of LLL Night Vision System Based on Vega	QIAN Yun-sheng, LIU Lei, LI Yuan, et al.	4	61
A Curvelet Transform Based on Clutter Suppression Algorithm for Infrared Image	LI Zhi-jie, GAO Xin-bo, JI Hong-bing	5	1
Infrared Image Sharpening for Warship Targets	LIU Yan-wu, HE You-jin, SUN Xu-hui	5	5
Detection of Infrared Moving Small Target Based on Particle Swarm Optimal Algorithm	XU Chun-xiao, SUN De-bao, LI Ning, et al.	5	10
Human Vision-Based on Quantitative Characterization of IR Background Clutter	CHANG Hong-Hua, ZHANG Jian-Qi	5	13
Detecting Infrared Target Based on Multi-Model Preprocessing and Relational Grade Fusion	LIN Xiao-chun, GUO Yan-yan, WANG Yan, et al.	5	18
An Algorithm Based on Time-Domain Kalman Predictor for Infrared Small Targets Detection	LI Cun-zhi, ZHANG Ying	5	18
The Method of Space-shield filtering Based Multi-Scaling Wavelet Analysis and Application in Star-image Denoising	NIE Hong-shan, SHEN Zhen-kang	5	22
A Method for Inspecting Object in The Distance Using CCD	WAN Lei, ZHONG Si-dong	5	28
A Filtering Algorithm Based on Detecting Motion in Image Sequences	ZHANG Jun-ju, XING Su-xia, CHANG Ben-kang, et al.	5	33
Nonlinear Diffusion Model Based on Four Directional Derivatives for Image Denoising	XIE Mei-hua	6	51
An Algorithm Based on Wiener Filter for Small Targets Detection in IR Image Sequences	NIE Hong-shan, SHEN Zhen-kang	6	54
A Method of Image De-noising Based KPCA	LU Bo, BI Du-yan, TAN Jun	6	58
Small Target Detection Based on Mean Background Model in IR Images	YIN Chao, XIANG Jian-yong, HAN Jian-dong	6	62
Detection Algorithm for Small Target in Cluttered Cloud Background Image Sequences	ZHANG Bing, LU Huan-zhang	6	66
Image Quality Evaluation of Infrared Image	XU Chun-mei, LI Gang, HU Wen-gang, et al.	6	72
The Restoration Algorithm Research for Blurred Image with Mist	HU Mao-hai, XIE Ren-long, GAO Wan-rong	6	76
A Comparison and Analysis of Two Heat Source Models in IR Object Simulation	MA Bing-chen, CHEN Hai-xin	6	79
An Approach of Fast Object Description for Image Segmentation	ZHANG Qing, XIANG Jiang-yong, ZHAO Xiao-ming, et al.	6	83
2D-TDI Real-time Infrared Image Enhancement Technique	GU Guo-hua, FENG Guo-jin, CHEN Qian, et al.	6	86
Partial Recursive Segmentation Algorithm Based on Otsu and Image Entropy	HAN Jian-tao, JIANG Wei-dong, CHEN Zeng-ping	6	89

加入台湾华艺 CEPS 中文电子期刊服务声明

《红外技术》期刊, 将自 2004 年 11 月起, 加入台湾中文电子期刊服务——思博网 (CEPS)。中文电子期刊服务——思博网是目前台湾地区最大的期刊全文数据库, 收录台湾地区 300 余种核心期刊的全文, 其访问地址为: www.ceps.com.tw。自此, 读者可以通过这一网址检索《红外技术》于 2004 年起各期的全文, 在一段时期后, 还可以回溯检索 2003 年前历年的全文。

此外, 由于《红外技术》被 CEPS 收录, 故凡向本刊投稿者, 均视为其文稿刊登后可供国内外文摘刊物或数据库收录、转载并上网发行; 其作者文章著作权使用费与稿酬一次付清, 本刊不再另付其它报酬。

华艺中文电子期刊服务 (CEPS) 目前除提供免费网上检索目次和摘要, 并且每日动态更新期刊全文。未来更将免费提供给本刊投稿者“期刊引文频次分析检索与作者文章引用统计分析”之数据资料。请各位继续支持本刊, 谢谢!

《红外技术》编辑部

2004-11-15