Vol.27 No.6 Nov. 2005

《红外技术》第 26 卷 (2005 年) 总目录索引

题目	作者	期次	页码
▲系统与设计▲			
光学系统双胶合透镜的替代设计法	曹红曲,金 宁	1	1
一种匹配滤波方法在导引头捷联稳定平台中的应用研究	张聘义,祁载康,崔莹莹,等	1	6
太阳辐射对大气层外弹道式目标表面温度的影响	杨 华,宣益民,李 强	1	12
激光共焦扫描显微镜中基于体绘制技术的三维重构	黄 琳,陶纯堪,胡茂海	1	16
头盔式双目微光夜视仪研制	詹启海,常本康,钱芸生	1	19
动态变形伪装对红外成像导引头探测距离的影响	周 红,李晓霞,徐 英,等	1	23
舰载红外干扰弹防御反舰导弹的战术运用研究	高东华,张祥林	2	95
一种基于高速双 DSP 的柔性机载实时图像跟踪系统研究	谢 明,吉书鹏,段哲民	2	99
头盔瞄准具中目标指示线的测量计算方法研究	王海晏,寇英信,隋永华,等	2	105
对于杂散背景中的目标红外成像特性研究	李朝晖,陈 明	2	109
干涉成像光谱仪高速数据采集存储的研究	薛利军,李自田,刘学斌,等	2	115
防红外成像制导伪装技术途径探讨	胡江华,秦建飞,沈均平	2	119
红外混合光学系统传递函数的一种测试方法及实现	米凤文,杨国光,沈亦兵	3	183
红外探测器脉冲激光干扰仿真	葛成良,范国滨,梁 正,等	3	187
基于小波分析的实时红外系统目标检测的研究与实现	李 佳,葛 军,周起勃	3	192
弹载红外光学系统被动消热技术	李 婕,张志明,冯生荣	3	196
中波红外焦平面凝视电路系统的设计与实现	赖雪峰,潘 鸣,裴云天	3	202
轻武器新型智能光电控系统设计	刘光灿,白廷柱	3	207
主从式红外图像处理系统中大数据量通信的设计	赖 睿,申建华,刘上乾,等	3	210
光谱扫描装置的运动分析	童子磊	3	213
夜视环境分析及头盔式微光夜视仪的设计	邱亚峰,钱芸生,刘 磊,等	3	219
提高 FY-4 多通道扫描成像辐射计图像配准精度的研究	张 强,王淦泉,陈桂林	3	223
IRST 系统的综合性被动测距算法研究	付小宁,刘上乾,牛建军	4	279
基于虚拟仪器技术的激光接收器测试系统	邢冀川,王保国	4	284
基于 USB 接口的高速高精度实时红外视频采集系统设计	赖 睿,周慧鑫,刘上乾,等	4	288
毫米波技术性能分析及其无源干扰方法研究	吕久明,罗景青	4	291
单站双波段红外被动测距算法研究	冯国强,邹 强,李伟仁	4	295
一种实用化的机载线阵推扫成像光谱仪	徐卫明,刘 军,胡培新,等	5	347
基于分形特征的红外烟幕遮蔽热像效果评价	陈文建,迟泽英	5	353
空间红外成像传感器 III	谢 恺,孙振江,安 玮,等	5	357
烟幕在防红外精确制导武器打击中的作用	任丽娜,曲延滨	5	363
人造雾的微物理特征与光电遮蔽性能研究	胡碧茹,吴文健,代梦艳,等	5	367
二代焦平面热像仪的可靠性改进	夏丽昆,莫启元,陈映苹	5	371
对光电系统中的光学系统二次成像的分析计算	金 宁,李 力,曹红曲,等	5	375
一种实用化实时测温系统测温精度的进一步分析	施德恒,王栋臣,黄国庆,等	6	433
红外扫描仪高速图像采集系统的设计与实现	俞建成,孙胜利,陈桂林	6	439
基于超二代像增强器的微光夜视仪设计	邹永星,周仁魁,杨松龄	6	446
红外烟幕对热像遮蔽效果综合评价软件设计	陈文建,迟泽英	6	449

2003 中 11 月 Infrared Technology		NOV.	2003
采用线阵 CCD 测量扫描镜步进角度的系统设计	陈秋霞,陈桂林	6	453
▲材料与器件▲			
微机械非制冷红外热电堆探测器	蔡小五,马 斌,梁平治	1	28
基于波段处理而引起的热像仪辐射测量误差计算	吴军辉,朱 震,李东强,等	1	33
用红外透射法确定任意厚度下碲镉汞晶体的组分	杨 彦,刘新进	1	39
高质量 HgCdTe 薄膜的液相外延生长	马庆华,陈建才,姬荣斌,等	1	42
星载红外探测器温度控制系统的设计和应用	张 彤,陈小文,刘银年,等	2	167
用于检测红外焦平面阵列探测器信号的高速数据采集系统	周 昊,柳 刚,陈四海,等	2	171
黑色组织对直流电弧等离子体喷射金刚石自支撑膜光学、热学性能的影响	杨胶溪,段晓峰,吕反修,等	2	175
Extinction of Aerosol Base on Composite Spheres in Infrared	HU Xiao-chun, QIAO Xiao-jing, LI Jiang-cun	2	179
国外 GaAs 光电阴极光谱响应特性比较与分析	杜玉杰,杜晓晴,常本康	3	254
探测器/杜瓦组件热负载自动测试系统及其应用	田立萍,朱颖峰,魏东红,等	3	257
长波光伏碲镉汞材料上的欧姆接触	赵鸿燕,鲁正雄,赵 岚,等	3	260
由黑体 D_{bb}^* 确定峰值 D_I^* 以及黑体波段 $D_{\Delta I}^*$ —— G 因子的计算	康 蓉,李立华,彭曼泽,等	3	263
快速响应红外探测器数字降噪研究	胡 旭,傅小明,洪建堂	4	299
化学镀镍在 32×32 非致冷红外焦平面互连中的应用	赵小梅,陈四海,付小潮	4	303
非致冷红外焦平面阵列读出电路的设计和 SPICE 模拟	李祥辉,陈西曲,王双保	4	307
基于 Wiener 滤波理论的非制冷红外焦平面非均匀校正新算法	甄德根,蒋亚东,吴志明,等	4	311
SiC 薄膜红外及紫外-可见光谱的研究	陈长青,毛 旭,周祯来,等	4	314
纳米氧化物光谱特性及其相关机理的初步分析	杨护霞,项金钟,杨海刚	4	319
CdTe 和 CdZnTe 室温探测器钝化方法概述	赵晓燕,鲁正雄	4	324
Cd 气氛退火对 CdZnTe 晶片质量影响	张鹏举,赵增林,胡赞东,等	5	379
用碲溶剂法生长高均匀性 $\mathrm{Hg}_{\mathrm{l}^{-x}}\mathrm{Cd}_{x}\mathrm{Te}$ 体晶材料	李富培,李玉德,郭云成,等	5	384
一种新型非致冷红外探测器	刘海涛	5	388
二氧化钒多晶薄膜的掺杂改性	谢太斌,李金华,谢建生,等	5	393
▲图像处理与仿真▲			
一种改进的基于熵的图像检索算法	孙君顶,周利华	1	45
红外运动小目标的模拟	葛成良,黄志伟,何忠武,等	1	49
基于混合遗传算法的 SAR 图像边缘检测	杨淑媛,王 敏,焦李成	1	53
强杂波中双波段目标检测新算法	宗思光,王江安,马治国	1	57
采用高阶谱分析的红外弱小目标检测	张高煜,杨万海	1	62
基于二维 OTSU 和遗传算法的红外图像分割方法	杜晓晨,刘建平	1	66
基于 Vega Prime 的红外场景生成技术在成像制导仿真系统中的应用	张 健,张建奇,邵晓鹏	2	124
光电图像质量客观度量准则的分析与比较	胡方明,王晓蕊,张建奇	2	129
红外图像的噪声分析和弱小目标的增强	惠建江,刘朝晖,刘 文	2	135
一种改进的模糊边缘检测快速算法	杨水超,马志峰,赵保军	2	139
卫星侦察红外图像背景特征分析	陈修桥,胡以华,李军梅,等	2	143
用于红外成像 GIF 的目标骨架提取算法	赖海燕,涂建平	2	147
基于分形特征的几场跑道识别算法的研究	朱梦宇,杨裕亮	2	151
红外视频图像实时二维增强算法与实现	余锦华,范宏波,郑智捷	3	227
红外序列图像运动小目标检测算法	于素芬,周洪武,柳 毅	3	232
基于单小波和多小波的红外图像盲去噪	费佩燕,郭宝龙	3	235

2005年11月	《红外技术》第 26 卷 (2005 年) 总	目录索引				Nov.	2005
74 ++ 1+ 40 +m \A \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		W 4 1 = 1	17 11 14				
一种基于模糊理论与 D-S 证据理论的红	外小目标与诱饵识别算法	肖利平,			**	3	240
基于信号奇异性分析的小目标检测方法				王克勇,		3	245
动态模板匹配算法对运动目标进行自动				葛军,	等	4	328
一种新颖的基于小波变换的虹膜识别算	法	范科峰,	王美华,	莫 玮		4	333
一种基于人类感知的边缘连接方法		贺赛先,	唐艳			4	338
基于机器视觉系统的红外背景杂波量化	技术	常洪花,	张建奇			5	403
红外小目标识别的新方法		王俊林,	张剑云			5	408
D-S 证据理论在双波段红外图像目标检测	则中的应用	胡士斌,	杨卫平			5	412
基于二值图像的目标边界跟踪算法及应	用	郭健,	刘斌,	赖海燕		5	416
整数双正交小波图像压缩及其 DSP 实现	ļ.	赵秀影,	翟林培,	魏静元,	等	6	458
短波红外 Hadmard 变换高光谱成像技术	研究	亓洪兴,	陈木旺			6	463
快速小波熵在图像检索中的应用		曾智勇,	张学军,	周利华		6	469
一种基于提升小波的多传感器图像融合		吴盘龙,	李言俊,	张 科		6	473
一种改进的 POCS 算法的超分辨率图像	重建	徐宏财,	向健勇,	潘皓		6	477
非致冷红外枪瞄实时图像增强算法研究		王世允,	张俊举,	孙恋君,	等	6	481
▲红外应用▲							
基于随机有限元与神经网络的传热参数	的智能辨识	寇 蔚,	孙丰瑞,	杨立		1	70
近红外光谱分析中建模样品优选方法的	研究	王丽杰,	郭建英,	徐可欣		1	75
微米级可膨胀石墨的制备和表征		宋东明,	霸书红,	张进,	等	1	79
红外辐射线干燥谷物机理		金逢锡,	顾广瑞			1	83
圆柱形设备内部缺陷的红外无损检测		刘慧开,	杨 立,	孙丰瑞		1	89
红外降温涂料用特种颜填料性能研究		黄之杰,	费逸伟,	孙元宝		2	159
红外烟幕材料及其发展趋势		孙世安,	费逸伟,	王协旗,	等	2	164
缺陷对红外测温反推内壁温度的影响分	析	沈立华,	范春利,	杨 立,	等	3	250
宽波段红外光栅扫描光谱辐射计的研制		金 钊,	萧 鹏,	戴景民		4	343
环境高温物体对红外热像仪测温误差的	影响	张健,	杨立,	刘慧开		5	419
红外光谱法测定聚丙烯/丙烯腈(PP/AN)接枝共聚物中丙烯腈的含量	隋丽丽,	申书昌,	王文波,	等	5	423
非共线声光可调谐滤光器(AOTF)偏振	录光波长的研究	余桂英,	王洁,	郑颖君,	等	5	426
▲制冷技术▲							
红外系统应用的高频同轴脉冲管制冷机	惯性管调相实验分析	赵杰,	G. Thum	nmes		2	154
制冷器在导弹系统中的应用		王三煜				5	399
▲测试技术▲							
高精度转炉倾角测量仪的应用研究		安博文,	陈桂林			6	485
基于红外测温技术的圆筒壁厚测量		曹春梅				6	490
基于 PSD 的扫描辐射计通道配准测量方	法研究	刘鸿飞,	王淦泉,	陈桂林		6	493
▲制导与对抗▲							
人体热红外隐身技术浅析				赵均英,	等	6	497
烟幕的湍流效应对热成像制导导弹性能		陈兵,				6	501
武装直升机一体化复合对抗红外/紫外双	色制导研究	沈均平,	刘建永,	胡江华,	等	6	505
▲综述与评论▲		V= V ==	A 61 1 1				
近红外固体成像夜视技术发展的潜力	NO.		金伟其,	苏君红		4	269
国外量子阱红外焦平面探测器的发展概	π	史衍丽				4	274

INDEX TO VOLUME 27 (2005)

Subject Matter	Author	No.	Page
▲SYSTEMS & DESIGNS▲			
Substitution Design Method of Doublet Lens in Optical System	CAO Hong-Qu, JIN Ning	1	1
The Application of A Matching Filter in the Strapdown Seeker Platform Research	ZHANG Pin-yi, QI Zai-Kang, Cui Ying-ying, et al.	1	6
Effect of Sun Radiation on Surface Temperature of Ballistic Target Above Aerosphere	YANG Hua, XUAN Yi-min, LI Qiang	1	12
Three-Dimension Reconstruction Based on Volume Rendering in the LCSM System	HUANG Lin, TAO Cun-kan, HU Mao-hai	1	16
Research of Night Vision Imaging System on Head-Binocular	ZHAN Qi-hai, CHANG Ben-kang, QIAN Yun-sheng	1	19
Influence of Dynamic Distortion Camouflage on Detecting Range of Infrared Imaging	ZHOU Hong, LI Xiao-Xia, XU Ying, et al.	1	23
Guidance Head			
Tactics Use of Shipborn IR Decoy recovery Anti-vessel missile	GAO Dong-hua, ZHANG Xiang-lin	2	95
Study of an Flexible Airborne Real-Time Image Tracking System Based on Two	XIE Ming , JI Shu-peng, DUAN Zhe-min	2	99
High-Powered Dsps			
Measurement and Calculation of Lag Line in Helmet	WANG Hai-yan, KOU Ying-Xin, SUI Yong-Hua, et al.	2	105
The Research on Targets Signature for IR Imaging in Clutter Backgrounds	LI Zhao-hui, CHEN Ming	2	109
Study of Interfere-Spectrometer High Speed Data Acquisition and Save System	XUE Li-jun, LI Zi-tian, LIU Xue-bin, et al.	2	115
A Study on Camouflage Approachs Against Infrared Imaging Guide	HU Jiang-hua, QIN Jian-fei, SHEN jun-ping	2	119
A Measurement of Optical Transfer Function of Infrared Hybrid Optical System and Its	MI Feng-wen, YANG Guo-guang, SHENG Yi-bing	3	183
Realization			
Simulation of Pulsed-Laser Jamming to the Infrared Detector	GE Cheng-liang, FAN Guo-bin, LIANG Zheng, et al.	3	187
Target Detection of Real-time Infrared Systems Based on Wavelet Analysis	LI Jia, GE Jun, ZHOU Qi-bo	3	192
Passive Athermalisation Technique of Infrared Optical System Loading in Missile	LI Jie, ZHANG Zhi-ming, FENG Sheng-rong	3	196
A Staring Circuit System of MWIR FPA	LAI Xue-feng, Pan Ming, PEI Yun-tian	3	202
The Design of the New Intelligentized Photoelectricity Fire Control System of the Light	LIU Guang-can, BAI Ting-zhu	3	207
Weapon			
Approache to Vast Data-amount Communication in Host-Slave Infrared Image Processing	LAI Rui, SHEN Jian-hua, LIU Shang-qian, et al.	3	210
System			
The Analysis of the spectrum Scan Device	TONG Zi-lei	3	213
Analyse of Night-sight Surroundings & Design of Low-light Night Observing Instrument	QIU Ya-feng, QIAN Yun-sheng, LIU Lei, et al.	3	219
on Helmet			
Research of Improving Accuracy of Imaging Register in Multi-Channel Scanning Imagery	ZHANG Qiang, WANG Gan-quan, CHEN Gui-lin	3	223
Radiometer of FY-4			
A Research on Global Passive Ranging Algorithm for IRST Systems	FU Xiao-ning, LIU Shang-qian, NIU Jian-jun	4	279
A Laser Receiver Test System Based on Virtual Instruments	XING Ji-chan, WANG Bao-guo	4	284
Design for High-precision Real-time Infrared Video Acquisition System Based on USB	LAI Rui, ZHOU Hui-xin, LIU Shang-qian, et al.	4	288
Study on Millimeter Wave Technique Performance and Passive Countermeasures	LV Jiu-ming, LUO Jing-qing	4	291
Algorithm of Passive Ranging by Single Station	FENG Guo-qiang, ZOU Qiang, LI Wei-ren	4	295
An Operational Airborne Linear Pushbroom Imaging Spectrometer	XU Wei-ming, LIU Jun, HU Pei-xin, et al.	5	347
Evaluation of the Effect that Infrared Smoke Screen Has on Thermal Image Based on	CHEN Wen-Jian, CHI Ze-Ying	5	353
Fractal Feature			
The Spatial Infrared Imaging Telescope III	XIE Kai, SUN Zhen-jiang, AN Wei, et al.	5	357
The Functionary of Smoke Screen Against Infrared Precision Guided Weapon	REN Li-na, QU Yan-bin	5	363
Study on Performance of Micro-Physical Characteristic and Electromagnic Obscure of	HU Bi-ru, WUWen-jian, DAI Meng-yan, et al.	5	367
			513

2005 中 II 月 INDEX TO VOLUME	27 (2005)	NOV.	2005
Artificial Fog			
A Methode for Improving Reliability of The Second Generation Focal Plane Arrays	XIA Li-kun, MO Qi-yuan, CHEN Ying-ping	5	371
Thermal Camera			
Analysis and Calculation for Ghost Image in Optical System of Photoelectric System	JIN Ning, LI Li, CAO Hong-qu, et al.	5	375
Further Analyses about Temperature Measurement Accuracy of a Practical Real-time	SHI De-heng, WANG Dong-chen, HUANG Guo-qing,	6	433
Temperature Measurement System	et al.		
A Design and Implementation of High-Speed Image Sampling System For Infrared	YU Jian-cheng, SUN Sheng-li, CHEN Gui-lin, et al.	6	439
Scanning System			
Study of Night Vision Instrument at Low Light Level Based on Gen II+ Image	ZOU Yong-xing, ZHOU Ren-kui, YANG Song-ling	6	446
Intensifier			
Design of Evaluation Software for Covered Effect of Thermal Image by Infrared Smoke	CHEN Wen-jian, CHI Ze-ying, et al.	6	449
Screen			
Design of Measuring the Stepped-Angle of Scanning Mirror with Linear CCD	CHEN Qiu-xia, CHEN Gui-lin	6	453
▲ MATERIALS & DEVICES ▲			
Micromachined Uncooled Infrared Thermopile Detector	CAI Xiao-wu, MA Bin, LIANG Ping-zhi	1	28
Error Calculation of IR Radiance Measurement with Thermal Cameras Caused by Data	WU Jun-hui, ZHU Zhen, LI Dong-qiang, et al.	1	33
Processing Based on Waveband			
The Determination of Cadmium-Mercury Telluride Composition for Any Thickness by	YANG Yan, LIU Xing-Jing	1	39
Infrared Transmission			
Growth of HgCdTe Films by LPE	MA Qing-hua, CHEN Jian-cai, JI Rong-bin, et al.	1	42
Design and Implement of Temperature Controlling System of Spaceborne Infrared	ZHANG Tong, CHEN Xiao-wen, LI Yan-xu, et al.	2	167
Detector			
High-speed Data Acquisition System for Detecting Signal of Infrared Focal Plane Arrays	ZHOU Hao, LIU Gang, CHEN Si-hai, et al.	2	171
The Influence of Microfeature on Optical and Thermal Property of DC Arc Plasma Jet	YANG Jiao-xi, DUAN Xiao-feng, LV Fan-xiu, et al.	2	175
CVD Diamond Films			
Extinction of Aerosol Base on Composite Spheres in Infrared	HU Xiao-chun, QIAO Xiao-jing, LI Jiang-cun	2	179
Compare and Analysis of Spectral Response Characteristics of Foreign GaAs	DU Yu-jie, DU Xiao-qing, CHANG Ben-kang	3	254
Photocathodes			
Thermal Load Automatic Testing System and Application of Detector/Dewar	TIAN Li-ping, ZHU Ying-feng, WEI Dong-hong, et al.	3	257
Ohmic Contacts on Long Wave Photovoltaic HgCdTe	ZHAO Hong-yan, LU Zheng-xiong, ZHAO Lan, et al.	3	260
How to Determine the Peak Detectivity from Measuring Blackbody Detectivity—the	KANG Rong, LI Li-hua, PENG Man-ze	3	263
Calculation of Factor G			200
Technique of Fast-response IR Detector Digital Noise Restraining	HU Xu, FU Xiao-ming, Hong Jian-tang, et al.	4	299
Electroless Nickel Applied in 32×32 Uncooled IRFPA Interconnection	ZHAO Xiao-mei, CHEN Si-hai, FU Xiao-chao, et al.	4	303
Design and SPICE Simulation of CMOS Readout Integrated Circuits of Uncooled IRFPA	LI Xiang-hui, CHEN Xi-qu, WANG Shang-bao, et al.		307
A New Algorithm of Uncooled Infrared Focal Plane Array Non-Uniformity Correction	ZHEN De-gen, JIANG Ya-dong, WU Zhi-ming, et al.	. 4	311
Based On Wiener Filter Theory	OUT NOT A MAD BY THOUGH A LINE A	4	214
Infrared and UV-Vis Spectra Studies of SiC Films	CHEN Chang-qing, MAO Xu, ZHOU Zheng-lai, et al.	. 4	314
Analysis of Mechanism on Absorption Spectra of Nano-oxide Materials	YANG Hu-xia, XIANG Jin-zhong, YANG Hai-gang, et al.	4	319
The Summarization of Passivation Techniques on CdTe and CdZnTe Room-tempreture	ZHAO Xiao-yan, LU Zheng-xiong	4	324
Detectors			
Effect to Properties of CdZnTe Wafer by Cd Vapor Annealing	ZHANG Peng-ju, ZHAO Zeng-lin, HU Zan-dong, et al.	. 5	379
The Bulk Crystal Growth Technology of High Compositional Uniformity Hg1-xCdxTe	LI Fu-pei, LI Yu-de, GUO Yun-cheng, et al.	5	384
511			

2005年11月 Infrared Technol	ogy	NOV.	2003
Use Te as Solvent			
A Novel Uncooled Infrared Detector	LIU Hai-Tao	5	388
Modification of Polycrystalline Vanadium Dioxide Film by Doping Methods	XIE Tai-bin, LI Jin-hua, XIE Jian-sheng, et al.	5	393
▲ IMAGE PROCESSING AND TARGET RECOGNITION ▲	-		
An Improved Algorithm for Image Retrieval by Entropy	SUN Jun-ding,ZHOU Li-hua	1	45
Simulation of Infrared Moving Small-target	GE Cheng-liang, HUANG Zhi-wei, HE Zhong-wu	1	49
A Genetic Algorithm-based Edge Detection Method for SAR Image	YANG Shu-yuan, WANG Min, JIAO Li-cheng	1	53
New Detection Algorithm of Weak Targets on Double Bands Under Strong Clutter	ZONG Si-guang, WANG Jiang-an, MA Zhi-Guo	1	57
Infrared Small Weak Targets Detection Via HOSA	ZHANG Gao-yu, YANG Wan-hai	1	62
Infrared Image Segmentation Method Based on 2D Maximum Between-cluster Variance	DU Xiao-chen, LIU Jian-ping	1	66
and Genetic Algorithm	Do Alao-chen, Elo han-ping	1	00
Application of IR Scene Generation Technique Based on Vega Primein IR Imaging	ZHANG jian, ZHANG Jian-qi, SHAO Xiao-peng	2	124
Guidance Simulation	Zili i Gilani, Zili i Gilanqi, Sili Gilan Alao peng	2	124
Analysis and Comparison of Typical Objective Measure Criteria of Electro-optical Image	HU Fang-ming, WANG Xiao-rui, ZHANG Jian-qi	2	129
Quality	The rung many, writte rune run, Zirirte stan qr	-	12)
Noise Analysis of Infrared Image and Muti-dim-small Target's Enhancement	HUI Jian-jiang,LIU Zhao-hui,LIU Wen	2	135
An Improved Fast Edge Detection Algorithm Based on Fuzzy Sets	YANG Shui-chao, MA Zhi-feng, ZHAO Bao-jun	2	139
Background Features Analysis of Satellite Infrared Image	CHEN Xiu-qiao, HU Yi-hua, LI Jun-mei, et al.	2	143
The Application of Skeleton Extraction Algorithm to Infrared Imaging GIF	LAI Hai-yan,TU Jian-ping	2	147
Recognition of Runway Based on Fractal Features	ZHU Meng-yu, YANG Yu-liang	2	151
A Two0dimensional Enhancement Algorithm and It's Real-time Implementation for	YU Jin-hua, FAN Hong-bo, ZHENG Zhi-jie	3	227
Infrared Video Image			
Detection Algorithm for Small Moving Targets in Infrared Image Sequeces	YU Su-fen, ZHOU Hong-wu, LIU Yi	3	232
Infrared Image Denoising Based on Single-wavelet and Multiwavelets	FEI Pei-yan,GUO Bao-long	3	235
An Algorithm of Infrared Small Targets and Decoys Recognition Based on Fuzzy Theory	XIAO Li-ping,YANG Jia-wei	3	240
and D-S Evidence Theory			
Dim Target Detection Method Based on Singularity Analysis	XU Bin, ZHENG Lian, WANG Ke-yang, et al.	3	245
A Study on Moving Target Tracking Based on Dynamic Template	LI Jun, ZHOU Qi-bo, GE Jun, et al.	4	328
A New Iris Recognition Algorithm Based on Wavelet	FAN Ke-feng, WANG Meihua, MO Wei	4	333
A Perceptual Image Processing Method for Edge Linking	HE Sai-xian, TANG Yan	4	338
Machine Vision-Based Quantitative Characterization of IR Background Clutter	CHANG Hong-hua, ZHANG Jian-qi	5	403
New method of IR Small Target Recognition	WANG Jun-lin, ZHANG Jian-yun	5	408
Target Detection of Dual-wave Infrared Images Based on D-S Evidence Theory	HU Shi-bin, YANG Wei-ping	5	412
Tracing Edge Algorithm and Application Based on Binary Image	GUO Jian, LIU Bin, LAI Hai-Yan	5	416
Integer Biorthogonal Wavelet Transform on Image Compression	ZHAO Xiu-ying, ZHAI Lin-pei, WEI Jing-yuan, et al.	. 6	458
Study on Hadamard Transform Near-Infrared Imaging Spectrometer	QI Hong-xing, CHEN Mu-wang	6	463
The Application of Fast Wavelet Entropy For Image Retrieval	ZENG Zhi-Yong, ZHANG Xue-Jun, ZHOU Li-Hua	6	469
A New Method for Multisensor Images Fusion Based on Lifting Wavelet	WU Pan-long, LI Yan-jun, ZHANG Ke	6	473
An Improved POCS Algorithm for Super-resolution Image Reconstruction	XU Hong-cai, XIANG Jian-yong, PAN Hao	6	477
A Real-Time Image Enhancement Algorithm for Un-Cooled Light Thermal Weapon Sight	WANG Shi-yu, CHANG Ben-kang, QIAN Yun-sheng,	6	481
	et al.		
▲ IR APPLICATIONS ▲			
Intelligent Recognition of Parameters of Heat Transfer Based on SFEM and Neural	KOU Wei, SUN Feng-rui, YANG Li	1	70
	100 (ioi, bottong-ini) Itito Li	1	, 0

Networks Optimized Maked of Calentine Complete for modeling in NIB Constral Application	WANGIET GUOTE E VIIV	1	75
Optimized Method of Selecting Samples for modeling in NIR Spectral Analysis	WANG Li-jie, GUO Jian-ying, XU Ke-xin	1	75
The Preparation and Characterization of Micron Expansible Graphite	SONG Dong-ming, BA Shu-hong, ZHANG Jin, et al.	1	79
Principle of Drying Grain of Infrared Radiation	JIN Feng-xi, GU Guang-rui	1	83
Study of Defects in the Inner Wall of Cylinder-shaped Equipment by Means of Infrared	LIU Hui-kai, YANG Li, SUN Feng-rui	1	89
Thermal Diagnosis			
Technological Study of Special Padding Used in Infrared Temperaturefall Paint	HUANG Zhi-jie, FEI Yi-wei, SUN Yun-bao	2	159
IR Smoke Screen Material and Its Developing Trends	SUN Shi-an, FEI Yi-wei, WANG Xie-qi, et al.	2	164
Study on Effect of Defect to Computation of Inner Suiface Temperature Based on Infrared	SHEN Li-hua, FAN Chun-li, YANG Li, et al.	3	250
Temperature Measurement			
Development of a Broadband Infrared Grating Scan Spectral Radiometer	JIN Zhao, XIAO Peng, DAI Jing-min	4	343
Effect of Environmental Object on Infrared Temperature Measurement	ZHANG Jian, YANG Li, LIU Hui-kai	5	419
Determination of the Content of Acrylonitrile in the Grafting Polymer of Acrylonitrile	SUI Li-li, SHEN Shu-chang, WANG Wen-bo, et al.	5	423
onto Polyproplene Film by IR			
Study on Polarized Lights' Wavelength of Non-collinear Acousto-optic Tunable Filters	YU Gui-ying, WANG Jie, ZHENG Ying-jun, et al.	5	426
(AOTF)			
▲ REFRIGERATION ▲			
Experimental Analysis for a High Frequency Coaxial Pulse Tube Cooler with Different	ZHAO Jie, G.Thummes	2	154
Inertance Tubes for IR Applications			
Application of Cryocoolers in Missile Systems	WANG San-yu	5	399
▲ MEASUREMENTS ▲			
The Research on High Precision of Angle Measure Instrument for Steel-Making Stove	AN Bo-wen, CHEN Gui-lin	6	485
Detection of Cylinder-shaped Equipment Wall Thickness Based on Infrared	CAO Chun-mei	6	490
Tempereture-measuring			
A Channel-to-Channel Alignment Detector Based on PSD	LIU Hong-fei, WANG Gan-quan, CHEN Gui-lin	6	493
▲ GUIDANCE & COUNTERMENT ▲			
Study on Human Body's Thermal Infrared Stealth	YU Ming-xun, JIA Rui-bao, ZHAO Jun-ying, et al.	6	497
Effect of Smoke Scren Wobble on IR Imaging Guided Missile Performation	CHEN Bing, LI Cheng-jun	6	501
Study on A Integrative Countermeasure of Armed Helicopter to Counter IR/UV Dual	SHEN Jun-ping, LIU Jian-yong, HU Jian-hua, et al.	6	505
Colour Guidance			
▲ SURVEY & REVIEW ▲			
The Developing Potential of Near-Infrared Imaging Night-vision Technologies	ZHENG Wei-jian, JIN Wei-qi, SU Jun-hong	4	269
Development Status of Quantum Well Infrared Photodetectors in the Euramerican	SHI Yan-li	4	274
Countries			