



JOURNAL OF IMAGE AND GRAPHICS

主办: 中国科学院空天信息创新研究院
中国图象图形学学会
北京应用物理与计算数学研究所

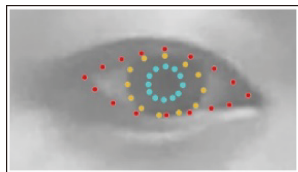
中国图象图形学报

2022
08
VOL.27

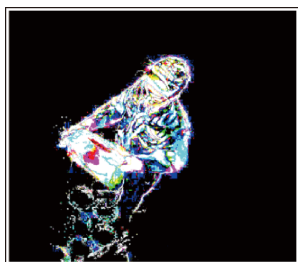
ISSN1006-8961
CN11-3758/TB



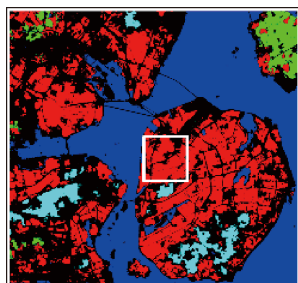
工业低纹理目标检测 P2418



自然光普通摄像头的眼部分割及特征点定位数据集ESLD (第2329页)



双视图三维卷积网络的工业装箱行为识别(第2368页)



多源特征自适应融合网络的高分遥感影像语义分割(第2516页)

综述

虚拟现实图像客观质量评价研究进展

周玉, 汪一, 李雷达, 高陈强, 卢兆林 2313

数据集论文

自然光普通摄像头的眼部分割及特征点定位数据集ESLD

张俊杰, 孙光民, 郑鲲, 李煜, 付晓辉, 慈康怡, 申俊杰, 孟凡超, 孔江萍, 张玥 2329

图像处理和编码

双尺度顺序填充的深度图像修复

陈东岳, 朱晓明, 马腾, 宋园园, 贾同 2344

二维码位流长度最小化算法

袁泰凌, 徐昆 2356

图像分析和识别

双视图三维卷积网络的工业装箱行为识别

胡海洋, 潘健, 李忠金 2368

面向航拍图像中工程车辆检测与识别的改进胶囊网络

钟映春, 郑海阳, 张文祥, 王波, 罗志勇 2380

用于骨架行为识别的多维特征融合注意力机制

姜权晏, 吴小俊, 徐天阳 2391

高性能整数倍稀疏网络行为识别研究

臧影, 刘天娇, 赵曙光, 杨东升 2404

面向工业零件分拣系统的低纹理目标检测

闫明, 陶大鹏, 普园媛 2418

融合策略优选和双注意力的单阶段目标检测

戴坤, 许立波, 黄世旸, 李鉴铃 2430

融合视觉词与自注意力机制的视频目标分割

季传俊, 陈亚当, 车洵 2444

基于Gaussian-Hermite矩的旋转运动模糊不变量

郭锐, 贾丽, 郝宏翔, 墨瀚林, 李华 2458

图像理解和计算机视觉

RGB-D语义分割: 深度信息的选择使用

赵经阳, 余昌黔, 桑农 2473

自纠正噪声标签的人脸美丽预测

甘俊英, 吴必诚, 翟懿奎, 何国辉, 麦超云, 白振峰 2487

面向非对称特征注意力和特征融合的太赫兹图像检测

曾文健, 朱艳, 沈韬, 曾凯, 刘英莉 2496

面向纹理平滑的方向性滤波尺度预测模型

林俊彦, 刘春晓, 章金凯, 李泓易 2506

遥感图像处理

多源特征自适应融合网络的高分遥感影像语义分割

张文凯, 刘文杰, 孙显, 许光奎, 付琨 2516

结合上下文编码与特征融合的SAR图像分割

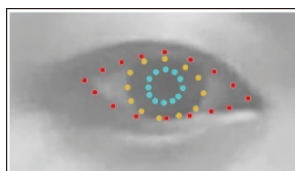
范艺华, 董张玉, 杨学志 2527

一阶全卷积遥感影像倾斜目标检测

周院, 杨庆庆, 马强, 薛博维, 孔祥楠 2537

CONTENTS

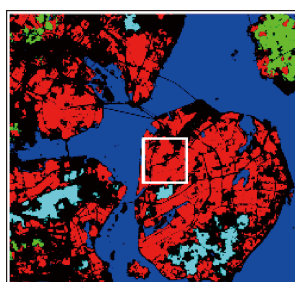
JOURNAL OF IMAGE AND GRAPHICS



ESLD: eyes segment and landmark detection in the wild (P2329)



Dual-view 3D ConvNets based industrial packing action recognition(P2368)



Multi-source features adaptation fusion network for semantic segmentation in high-resolution remote sensing images(P2516)

Review

Research progress in objective quality evaluation of virtual reality images

Zhou Yu, Wang Yi, Li Leida, Gao Chenqiang, Lu Zhaolin 2313

Dataset

ESLD: eyes segment and landmark detection in the wild

Zhang Junjie, Sun Guangmin, Zheng Kun, Li Yu, Fu Xiaohui, Ci Kangyi, Shen Junjie, Meng Fanchao, Kong Jiangping, Zhang Yue 2329

Image Processing and Coding

Depth image recovery based on dual-scale sequential optimized filling

Chen Dongyue, Zhu Xiaoming, Ma Teng, Song Yuanyuan, Jia Tong 2344

Minimization of bit stream length of QR codes

Yuan Tailing, Xu Kun 2356

Image Analysis and Recognition

Dual-view 3D ConvNets based industrial packing action recognition

Hu Haiyang, Pan Jian, Li Zhongjin 2368

Improved capsule network method for engineering vehicles detection and recognition in aerial images

Zhong Yingchun, Zheng Haiyang, Zhang Wenxiang, Wang Bo, Luo Zhiyong 2380

M2FA: multi-dimensional feature fusion attention mechanism for skeleton-based action recognition

Jiang Quanyan, Wu Xiaojun, Xu Tianyang 2391

Action recognition analysis derived of integer sparse network

Zang Ying, Liu Tianjiao, Zhao Shuguang, Yang Dongsheng 2404

Texture-less object detection method for industrial components picking system

Yan Ming, Tao Dapeng, Pu Yuanyuan 2418

Single stage object detection algorithm based on fusing strategy optimization selection and dual attention mechanism

Dai Kun, Xu Libo, Huang Shiyang, Li Yunling 2430

Visual words and self-attention mechanism fusion based video object segmentation method

Ji Chuanjun, Chen Yadang, Che Xun 2444

Rotational motion blur invariants based on Gaussian-Hermite moments

Guo Rui, Jia Li, Hao Hongxiang, Mo Hanlin, Li Hua 2458

Image Understanding and Computer Vision

RGB-D semantic segmentation: depth information selection

Zhao Jingyang, Yu Changqian, Sang Nong 2473

Self-correcting noise labels for facial beauty prediction

Gan Junying, Wu Bicheng, Zhai Yikui, He Guohui, Mai Chaoyun, Bai Zhenfeng 2487

Terahertz image detection combining asymmetric feature attention and feature fusion

Zeng Wenjian, Zhu Yan, Shen Tao, Zeng Kai, Liu Yingli 2496

Texture-smoothing-oriented directional filtering scales-predicting model

Lin Junyan, Liu Chunxiao, Zhang Jinkai, Li Hongyi 2506

Remote Sensing Image Processing

Multi-source features adaptation fusion network for semantic segmentation in high-resolution remote sensing images

Zhang Wenkai, Liu Wenjie, Sun Xian, Xu Guangluan, Fu Kun 2516

The integrated contextual encoding and feature fusion SAR images segmentation method

Fan Yihua, Dong Zhangyu, Yang Xuezhi 2527

Improved one-stage fully convolutional network for oblique object detection in remote sensing imagery

Zhou Yuan, Yang Qingqing, Ma Qiang, Xue Bowei, Kong Xiangnan 2537