



JOURNAL OF IMAGE AND GRAPHICS

主办：中国科学院遥感与数字地球研究所
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

2016
07
VOL.21

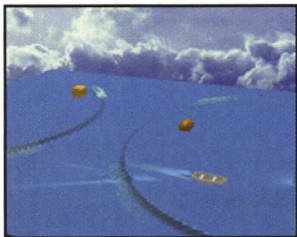
ISSN1006-8961
CNT1-3758/TB



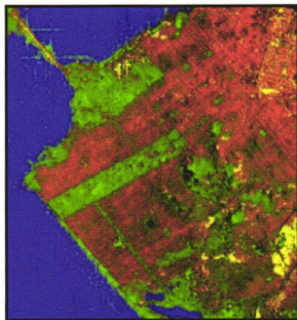
人脸图像处理 P865



大规模柔体的连续碰撞检测
算法(第901页)



大规模流体场景的真实感与
实时模拟(第913页)



星载SAR影像上船舶方位
向模糊去除算法(第951页)

图像处理和编码

低存储化压缩感知

王金铭, 叶时平, 徐振宇, 蒋燕君 835

3D-HEVC深度图像快速帧内编码方法

张洪彬, 伏长虹, 陈锐霖, 萧允治, 苏卫民 845

加权KNN的图文数据融合分类

康丽萍, 孙显, 许光鑫 854

结合肤色分割与平滑的人脸图像快速美化

邱佳梁, 戴声奎 865

图像分析和识别

级联型P-RBM神经网络的人脸检测

叶学义, 陈雪婷, 陈华华, 顾亚风, 吕秋云 875

结合全局与局部信息活动轮廓的非同质图像分割

郝智慧, 郭满才, 宋杨杨 886

计算机图形学

带参数的多项式势函数与构造基于Metaball的过渡曲线

李军成, 宋来忠, 刘成志 893

大规模柔体的连续碰撞检测算法

周清玲, 刘艳, 程天翔 901

虚拟现实与增强现实

大规模流体场景的真实感与实时模拟

邵绪强, 杨晓丹, 李继荣, 阎蕾 913

医学图像处理

形状约束下活动轮廓模型冠脉血管图像多尺度分割

郭笑妍, 梅雪, 李振华, 曹佳松, 周宇 923

遥感图像处理

深度置信网络在极化SAR图像分类中的应用

邓磊, 付姗姗, 张儒侠 933

高光谱图像低秩表达与噪声水平估计

唐中奇, 付光远, 赵晓林, 陈进, 张利 942

星载SAR影像上船舶方位向模糊去除算法

郝磊, 邢前国, 邹娜娜, 李圳波, 吴樊 951

TDFA: 一种生成空间影像金字塔的方法

张云舟, 张陌, 王晋年, 张刚 959

无人机侦察视频超分辨率重建方法

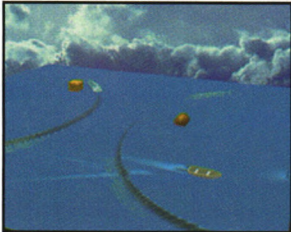
张岩, 李建增, 李德良, 杜玉龙 967

CONTENTS

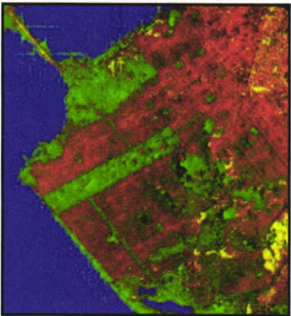
JOURNAL OF IMAGE AND GRAPHICS



Continuous collision detection algorithm for large-scale deformable objects (P901)



Realistic and real-time simulation of large-scale fluids (P913)



Application of deep belief network in polarimetric SAR image classification (P951)

Image Processing and Coding

Reducing the storage space of the measurement matrix for compressive sensing	
Wang jinming, Ye shiping, Xu zhenyu, Jiang yanjun	835
Fast intra coding for depth map in 3D-HEVC	
Zhang Hongbin, Fu Changhong, Chan Yuilam, Siu Wanchi, Su Weimin	845
Fusion method via KNN with weight adjustment for the classification of image-text co-occurrence data	
Kang Liping, Sun Xian, Xu Guanglun	854
Fast facial beautification algorithm based on skin-color segmentation and smoothness	
Qiu Jialiang, Dai Shengkui	865

Image Analysis and Recognition

Cascaded probability state-restricted Boltzmann machine for face detection	
Ye Xueyi, Chen Xueting, Chen Huahua, Gu Yafeng, Lyu Qiuyun	875
Inhomogeneous image segmentation based on active contours with global and local information	
Hao Zhihui, Guo Mancai, Song Yangyang	886

Computer Graphics

The polynomial potential function with a parameter and transition curve based on Metaball technology	
Li Juncheng, Song Laizhong, Liu Chengzhi	893
Continuous collision detection algorithm for large-scale deformable objects	
Zhou Qingling, Liu Yan, Cheng Tianxiang	901

Virtual Reality and Augmented Reality

Realistic and real-time simulation of large-scale fluids	
Shao Xuqiang, Yang Xiaodan, Li Jirong, Yan Lei	913

Medical Image Processing

Multi-scale segmentation of coronary artery image based on active contour model with shape constraints	
Guo Xiaoyan, Mei Xue, Li Zhenhua, Cao Jiasong, Zhou Yu	923

Remote Sensing Image Processing

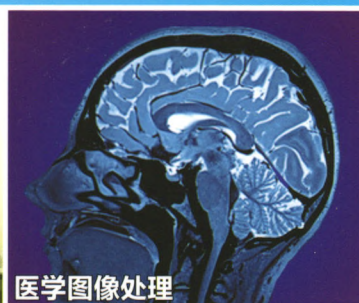
Application of deep belief network in polarimetric SAR image classification	
Deng Lei, Fu Shanshan, Zhang Ruxia	933
Low-rank representation for hyperspectral image noise level estimation	
Tang Zhongqi, Fu Guangyuan, Zhao XiaoLin, Chen Jin, Zhang Li	942
Azimuth ambiguity removal method for ship detection based on spaceborne SAR images	
Bing Lei, Xing Qianguo, Zou Nana, Li Zhenbo, Wu Fan	951
TDFA: a generation method of spatial image pyramid	
Zhang Yunzhou, Zhang Mo, Wang Jinnian, Zhang Gang	959
Super-resolution reconstruction for UAV video	
Zhang Yan, Li Jianzeng, Li Deliang, Du Yulong	967



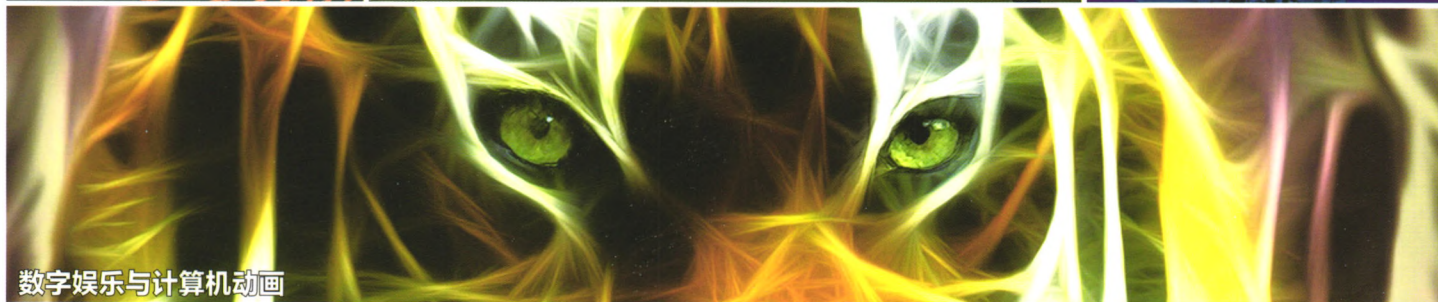
图像识别



计算机辅助设计



医学图像处理



数字娱乐与计算机动画



遥感图像处理



三维建模



图像采集



ISSN 1006-8961



9 771006 896164