

2017

第 6 期

Vol. 38 No. 6

第38卷 第6期

Journal of  
Graphics

# 图学学报



中国图学学会会刊

《中文核心期刊要目总览》（第七版）科技类核心期刊

中国科技核心期刊（中国科技论文统计源期刊）

中国科学引文数据库（CSCD）核心期刊

中国学术期刊综合评价数据库来源期刊

日本科学技术振兴机构中国文献数据库（JSTChina）收录期刊

## 目 次

## 图形学与可视化

- 基于递归图纹理特征分析的可视化故障诊断方法.....王 旭, 岳应娟, 蔡艳平, 郭雅云 (797)
- 基于能量差分的数字水印嵌入视频算法.....张艳喜, 莫春柳 (804)
- 两种连接结构动载荷传递特性的 MATLAB 仿真研究.....宋英燕, 张京英, 李晓峰, 程向群 (809)

## 几何设计与计算

- 局部尺寸在功能公差设计中的应用和替代标注研究.....徐旭松, 吴德辉, 范 真 (814)
- 某 V 型柴油机曲轴疲劳寿命仿真.....冯国胜, 商海昆, 胡春萍, 李鹏飞 (820)
- 多股螺旋扭转弹簧参数化建模方法研究.....胡冶昌, 魏志芳, 王志伟 (826)

## 视觉与图像

- 基于变动权值的混合水平集图像分割模型.....冀 珂, 羿旭明 (831)
- 基于混沌映射和 DNA 序列的图像加密.....郭永宁, 孙树亮 (837)
- 基于自适应数学形态学的车牌定位研究.....王晓群, 刘宏志 (843)
- 管道缺陷自动检测与分类.....李 灏, 王宏涛, 董晴晴 (851)

## 数字化设计

- 面向模型重用的仿真云服务平台设计与实现.....赵继丛, 黄利平, 陈俊宇, 田 凌 (857)

## 工业设计

- 基于 BP 神经网络的壁挂式充电桩产品形态研究.....张 硕, 吴俭涛 (865)
- 面向产品造型风格的用户认知模式及量化模型研究  
.....寸文哲, 吕 健, 潘伟杰, 袁国术, 孙 辉, 刘国凯 (869)
- 基于 CiteSpace 计量分析的国外工业设计研究现状.....杜淑幸, 彭丽萍, 连立麟 (876)
- 基于 TRIZ 需求进化定律的微耕机创新设计.....邓海静, 邓丁奇 (881)

## 医学图像与设备

- 基于非下采样轮廓波变换和压缩感知的 PET/CT 像素级融合算法  
.....陆惠玲, 周 涛, 王惠群, 夏 勇, 师宏斌 (887)

## BIM 研究与应用

- BIM 视阈下工程项目管理业务流程再造研究.....钟 炜, 张凯乐, 杨岗营, 乜凤亚 (896)
- 施工投标中 BIM 建模细度及应用研究.....纪凡荣, 曹江红 (904)

## 图学教育

- 留学生工程制图课程体验式教学模式探析.....常建梅, 冯怀平 (909)
- 工程图学教材内容体系及某些概念描述的探讨.....董国耀, 肖银玲, 薛立华 (914)
- “互联网+”时代图学教育现状调查与研究.....张京英, 佟献英, 杨 薇 (919)

## 应用与交流

- 基于信息传播的绥德石雕艺术元素数据平台开发.....刘子建, 艾东旭, 段彦杰, 张 励 (925)
- 运梁车液压悬挂均载结构的 APDL 建模方法.....邢海军, 韩伟峰, 张 晗, 冯桂珍 (931)

CONTENTS

Graphics and Visualization

- Visualization Fault Diagnosis Method Based on Textural Features of Recurrence Plots  
.....WANG Xu, YUE Yingjuan, CAI Yanping, GUO Yayun (797)
- Digital Watermark Algorithm for Digital Videos Based on Eenergy Difference Method  
.....ZHANG Yanxi, MO Chunliu (804)
- MATLAB Simulation Study on Dynamic Load Transfer Characteristics of Two Kinds of Threaded Connections  
.....SONG Yingyan, ZHANG Jingying, LI Xiaofeng, CHENG Xiangqun (809)

Geometric Design and Computing

- Study on Local Size in Functional Tolerancing and Its Alternative Annotation  
.....XU Xusong, WU Dehui, FAN Zhen (814)
- Simulation of Fatigue Life of a V Diesel Engine Crankshaft  
.....FENG Guosheng, SHANG Haikun, HU Chunping, LI Pengfei (820)
- Research on Parametric Modeling Method of Stranded Wire Helical Torsion Spring  
.....HU Yechang, WEI Zhifang, WANG Zhiwei (826)

Vision and Image

- Hybrid Level Set Image Segmentation Model Based on Variable Weights .....JI Ke, Yi Xuming (831)
- Image Encryption Based on Chaotic Map and DNA Sequence Operations.....GUO Yongning, SUN Shuliang (837)
- License Plate Location Algorithm Based on Adaptive Mathematical Morphology  
.....WANG Xiaoqun, LIU Hongzhi (843)
- Automated Pipe Defect Detection and Classification.....LI Hao, WANG Hongtao, DONG Qingqing (851)

Digitized Design

- Model Reuse Oriented Simulation Cloud Service Platform Design and Implementation  
.....ZHAO Jicong, HUANG Liping, CHEN Junyu, TIAN Ling (857)

Industrial Design

- Research on Form of Wall Set Charging Pile Base on BP Neural Network .....ZHANG Shuo, WU Jiantao (865)
- Research on User Cognition Pattern and Its Quantitative Model Oriented to Product Modeling Styles  
.....CUN Wenzhe, LV Jian, PAN Weijie, YUAN Guoshu, SUN Hui, LIU Guokai (869)
- Research Status of Foreign Industrial Design Based on CiteSpace Metric Analysis  
.....DU Shuxing, PENG Liping, LIAN Lilin (876)
- Innovative Tiller Design Based on the TRIZ Demand Revolution Law.....DENG Haijing, DENG Dingqi (881)

Medical Image and Equipment

- PET/CT Image Pixel-Level Fusion Algorithm Based on NSCT and Compressed Sensing  
.....LU Huiling, ZHOU Tao, WANG Huiqun, XIA Yong, SHI Hongbin (887)

BIM Research and Application

- Research on Business Process Reengineering of Project Management Based on BIM Visual Threshold  
.....ZHONG Wei, ZHANG Kaile, YANG Gangying, NIE Fengya (896)
- BIM Level of Development and Application in a Construction Bid Project .....JI Fanrong, CAO Jianghong (904)

Graphics Education

- Study on Experiential Teaching Mode of Engineering Drawing for International Undergraduate Student  
.....CHANG Jianmei, FENG Huaiping (909)
- Discussion on Content System of Engineering Graphics Textbook and Some Concept Description  
.....DONG Guoyao, XIAO Yinling, XUE Lihua (914)
- Investigation and Research on the Current Graphics Education Situation in the Internet Age  
.....ZHANG Jingying, TONG Xianying, YANG Wei (919)

Application and Communication

- Development of Suide Stone Carving Art Elements Data Platform Based on Information Dissemination  
.....LIU Zijian, AI Dongxu, DUAN Yanjie, ZHANG Li (925)
- APDL Modeling Method for Hydraulic Load Balancing Suspension of Transporting Girder Vehicle  
.....XING Haijun, HAN Weifeng, ZHANG Han, FENG Guizhen (931)