

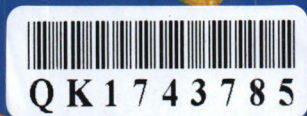


中文核心期刊
中国计算机用户协会会刊

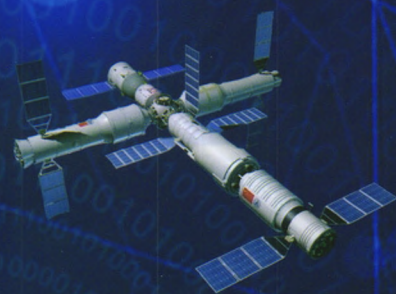
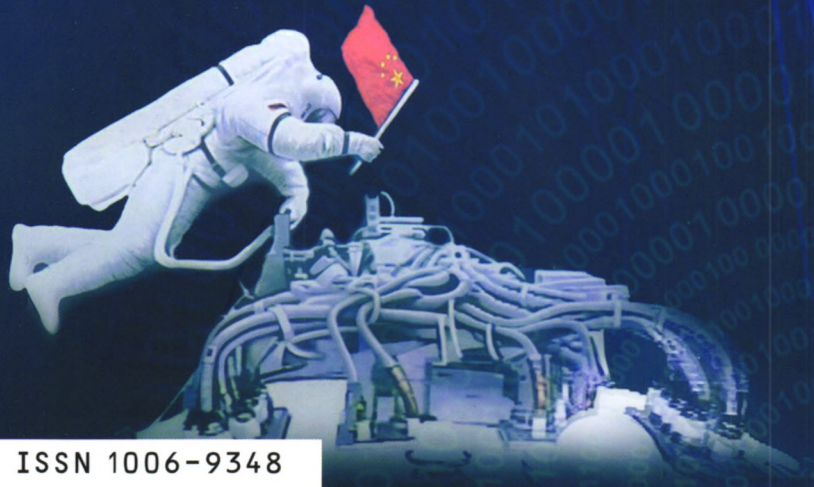
ISSN 1006-9348

计算机仿真

Computer Simulation



QK1743785



ISSN 1006-9348

11 >

9 797 934033

11
2017

目次

2017第十二届中国系统建模与仿真技术高层论坛开幕词	王崑声
军事领域仿真	
基于仿真的装备保障指挥效能评估方法研究	许贵君,王 晖,赵 凯(1)
关于圆周合成孔径雷达目标成像质量优化仿真	张 月,李斌兵,宋德鹏(7)
基于卷积神经网络的作战目标识别方法的研究	谭景信,洪 岩,孟德地,张军尧(12)
航空航天领域仿真	
小型无人机姿态稳定性控制研究	柏 植,凌六一,韩 涛,徐 雨(16)
高光谱数字图像无失真实时压缩方法仿真	李光远(21)
海面风场数据时空融合方法研究	魏士俨,杨燕明,许德伟(25)
一种二维空间 UAV 自主实时避障算法	杨秀霞,华 伟,张 毅,孟启源(29)
基于多模式复合的弹载 SAR/MTI 研究	张 阳,杨 健,王新民(32)
四旋翼飞行器的自校正 PID 控制器设计	周牡丹,郭一晶,高凤强,高友炎(37)
无人机前轮转弯操纵性能仿真分析	苑强波,张 明,冷梦娇,牟 丹(43)
无人机滑翔翼横滚姿态稳定控制仿真研究	江 卉(49)
能源领域仿真	
光伏微电网供电在线负荷频率控制	党 克,王民涛(53)
火电厂锅炉烟气氧含量精确测量仿真研究	李 艳,任 锦(58)
关于交直流混合微电网故障精确检测研究	唐灵军,罗 奕,付 强(63)
基于 S 变换的改进双端法配电网故障测距	吴阳阳,舒 勤,韩晓言(67)
发机电网供电负荷平衡自动调配研究	姚明亮,张培军,宋晓茹,兀 伟(73)
基于粒子群优化变步长扰动观察 MPPT 算法	赵 阳,张军朝,陶亚男,王青文(78)
配电网供电实时补偿稳定性优化控制研究	麻 杰,杜欣慧(84)
光伏发电并网输电效率性能评价研究	王湘艳,苗 森,陈 宁,汤 奕(90)
交通体系与工具仿真	
交通指挥中三维手势图像识别仿真研究	邓卫斌,陈 睿(95)
城市交通应急疏散路径优化仿真	丁春晖(99)
公路交通拥塞路径规划设计仿真	杜学风,李晓卉,张 尉,丁月民(103)
汽车驾驶员自适应防碰撞预警系统设计	胡均平,刘 镇,李勇成(107)
汽车车架载荷强度优化设计仿真	黄海华(114)
Nextrac 电磁扭矩管理器动力学建模研究	齐志权,钟嘉鸣,李朝兵,苏 强(119)
截面形状对汽车前纵梁碰撞性能的影响分析	涂文兵,何海斌,罗 丫,王朝兵(123)
新型变速器换挡机构设计及其换挡挡力仿真	吴和英(128)
三轴汽车二十六自由度模型的建模与仿真	喻俊红,郭孔辉,谢兆夫(132)
快速公交与常规公交线网接运效率建模仿真	李耀南,周 静,伍渊远(138)
汽车自适应巡航系统车距控制策略研究	凌 滨,宋梦实(143)
基于三维重构技术的拖拉机燃油箱建模	马庆良,罗长海,孟志军,刘 卉(149)
信息仿真	
面向移动终端的视频图像模糊特征提取仿真	蔡 淞(154)
基于变步长扰动的无线电能传输最优负载跟踪	陈从靖,李志华,刘自鹏(158)
分形微带天线接收信号传感器抗干扰设计	陈 璐(163)
多媒体视频图像信息传输安全性能研究	赖益强(168)
数字光纤网络通信数据采集方法优化仿真	祁 超,张 曦(172)
海底声纳数据的可视化去噪算法仿真	张抗琦(176)
大数据中信息资源均衡分配仿真	张 彤(180)
深海走航剖面仪目标探测信号传输率优化仿真	郑 羽,尚应生,宋国民,李红志(184)
数字上变频 FIR 半带滤波器仿真与设计	荆宜青(190)
串行视觉通信下失真图像颜色校正方法仿真	段仲麒(195)
非压缩视频图像多重数字水印隐藏方法仿真	顾富民(199)
仿真应用研究	
关于长跑运动员起跑图像姿态优化校正仿真	何贝娜(203)
视觉观察品牌标示图像优化设计仿真	侯 瑞,杨 莉(207)

单周期及三相导通调制的 BLDCM 平均转矩控制	蒋文强,韩念琛,王志芳,詹振海(211)
篮球运动员大力扣球上肢动作轨迹预测仿真	令通(216)
热障涂层倒圆和倒角结构的优化设计	刘洲庠,于金鑫,李强(220)
篮球手臂投篮视频图像跟踪提取仿真	苗俊(224)
关于脑部损伤 CT 图像目标点定位仿真	王哲,张钰,王勇(228)
城市绿地衰老退化特征提取仿真	张国勇(232)
广告标志图像真实性效果设计仿真	赵全宜,陈奕江,刘国栋(236)
排球发球技术路径视频图像正确性校正仿真	赵阳(240)
燃气涡轮机叶片结构冷却优化设计研究	郑杰,张雅荣,窦益华(244)
斜轴式望远镜机架运动建模与解耦	周旺平,王雅,巩力源(248)
乒乓球运动员发球姿势三维图像校正仿真	周应宝(253)
关于仓库存储空间三维布局设计仿真	庄葛巍,申娟,张静月,姚民(257)
大数据下花样跳绳运动动作安全性预测仿真	邹业兵,王欣(261)
小型斯特林发动机热循环设计仿真研究	吕张来,郭鹏程(265)
永磁同步电机滑模观测器鲁棒性控制研究	吴楚,朱维杰,李安辉(270)
基于卡尔曼滤波的光电式扭矩传感器研究	武立,周云山,张容川(275)
自升式海洋平台齿轮齿条接触强度分析	叶福民,孟森(280)

仿真方法与算法

基于 UD 分解的 Sage-Husa 自适应滤波算法	李明,许川佩,李翔(285)
分割灰度不均匀图像水平集算法的 CUDA 实现	卓永,杨辉华,高春洋,刘振丙(290)
关于面向对象的软件耦合性度量方法设计	顾爱华,周晓峰,李宗花,李勤丰(296)

仿真软件

复杂软件确保质量提高效率快速测试仿真研究	高月(300)
----------------------------	---------

仿真网络化

无线网络异常信息入侵攻击意图预测仿真	方向,王丽娜(304)
网络用户隐私信息保护仿真研究	黄锐诚(308)
网络信息传输中对攻击快速防御仿真研究	赖清,曾红武(312)
网络信息安全对攻击风险预测仿真	陆万青(316)
协同式网络攻击下抗毁性优化建模仿真	宗敏,杨杰(320)

仿真智能化

多维视觉图像敏感区域智能标记方法仿真	包姣(324)
基于超限学习机 2.5D-3D 配准的脊椎手术导航	陈飞,谢智歌,蔡晨贾农,徐凯(328)
挖掘机动力臂挖掘目标轨迹规划仿真	郭子阳,李捷(334)
焦炉气管压力稳定性优化仿真研究	李爱莲,韩长海(339)
大数据下虚假无效数据优化识别仿真	王小红(344)
应用于智能机器人的无线充电技术研究	牛玉洁,冷建伟(348)
机械臂轨迹跟踪的小波神经网络模糊滑模算法	王飞,晁智强,李华莹,张传清(353)
桥式吊车装卸定位防摇控制研究	姚亚婵,徐为民,郑翔,彭勃华(360)
中温太阳能空调系统的节能控制仿真	肖丹萍,郭春梅,李佳蔚(365)

仿真服务化

物联网资源负载均衡共享有效调度仿真	陈熔(369)
网络平台实验维修设备资源优化调度仿真	丛高影(373)
关于古建筑图像中破损点优化提取仿真	高华(377)
三相电机驱动系统 EMI 滤波器的研究	姜艳妹,王伟亮,吴迪(381)
电力市场电网投资回收风险准确评估仿真	李婵娟(386)
异构数据库下不完全信息优化检测仿真研究	刘敏,李智彪,熊婷(390)
基于损伤力学的凿岩机活塞疲劳寿命仿真研究	罗春雷,闵金才,程后旗,李立成(395)
多参量状态下网络节点异常故障诊断仿真	马玉芳,陈建华(400)
供电计量电表故障自动优化检测仿真	魏子贺(404)
形象型网页设计中局部颜色特征优化方法仿真	吴伟(408)
古老建筑三维景观特征整合仿真研究	谢迁(413)
一种改进的深度学习人脸识别算法研究	伊力哈木·亚尔买买提(417)
大数据中用户所需信息资源检测仿真	张朋(422)
网络信息交互过程安全漏洞检测仿真	赵战民,岳永哲(426)
居民周边交通噪声干扰优化预测仿真	郑秋玲,杨柯(430)
运动员跑步强度训练关节损伤优化预测仿真	周鸿凯(435)
互联网用户图像资源加密安全保护仿真	田秀娟(439)
高层住宅建筑结构抗震性能评估仿真	夏阳(443)
传感网络对移动数据自动监测研究	项露芬(447)
关于医学数据库资源特征信息准确查询仿真	郭荣传(451)

CONTENTS

Effectiveness Evaluation Method Based on Simulation for Equipment Support Command	XU Gui-jun, WANG Hui, et, al (1)
The Optimization Simulation of Quality Imaging about the Circular Synthetic Aperture Radar Target	ZHANG Yue, LI Bin-bing, et, al (7)
Research on Target Recognition Method Based on Convolutional Neural Network	TAN Jing-xin, HONG Yan, et, al (12)
Research on Attitude Stability of Small UAV	BAI Zhi, LING Liu-yi, et, al (16)
High Real-Time Compression Method Simulating Spectrum Digital Image Without Distortion	LI Guang-yuan (21)
The Spatial-Temporal Fusion of SCAT/HY-2A and ASCAT/MetOp-A Wind Data	Wei Shi-yan, Yang Yan-ming, et, al (25)
A Real-time Obstacle Avoidance Algorithm for UAV in 2D Space	YANG Xiu-xia, HUA Wei, et, al (29)
Novel Workflow and MTI Algorithm of a Missile-borne SAR/MTI System	ZHANG Yang, YANG Jian, et, al (32)
Design of Self-Tuning PID Controller for Quadrotor UAV	ZHOU Mu-dan, GUO Yi-jing, et, al (37)
Analysis of Aircraft Landing Gear with Four Wheels Nose Wheel Steering Control	YUAN Qiang-bo, ZHANG Ming, et, al (43)
Simulation Research on the Stability Control of UAV Wing Gliding	JIANG Hui (49)
Online Load Frequency Technique of Photovoltaic Micro-grid	DANG Ke, WANG Min-tao (53)
Study on Soft-Sensors of Boiler Flue Gas Oxygen Content Based on PSO-LSSVM	LI Yan, REN Jin (58)
Study on Fault Precision Detection Method of a Hybrid AC/DC micro-grid	TANG Ling-jun, LUO Yi, et, al (63)
An Improved Double-End Fault Location Method for Distribution Network Based on S Transform	WU Yang-yang, SHU Qin, et, al (67)
The Research on Generator Power Grid Load Balancing Automatically Deploy	YAO Ming-liang, ZHANG Pei-jun, et, al (73)
MPPT Algorithm Based on Particle Swarm Optimizing Variable Step P&O	ZHAO Yang, ZHANG Jun-chao, et, al (78)
Research on Optimal Control of Real-Time Compensation Stability of Distribution Network	MA Jie, DU Xin-hui (84)
Research on Efficiency Performance Evaluation of Grid Connected Photovoltaic Power Generation	WANG Xiang-yan, MIAO Miao, et, al (90)
Research on 3D Gesture Image Recognition in Traffic Command	DENG Wei-bin, CHEN Rui (95)
Urban Traffic Emergency Evacuation Route Optimization Simulation	DING Chun-hui (99)
The Design and Simulation of Congestion Avoidance Algorithm in Transportation Path Planning	DU Xue-feng, LI Xiao-hui, et, al (103)
Car Driver Adaptive Collision Warning System Design	HU Jun-ping, LIU Zhen, et, al (107)
Loading Strength Optimization Design Simulation of Automobile Frame	HUANG Hai-hua (114)
Dynamic Modling of the Nextrac Electronic Driveline Coupling	QI Zhi-quan, ZHONG Jia-ming, et, al (119)
The Influence of Section Shape on Crashworthiness of Vehicle Front Longitudinal	TU Wen-bing, HE Hai-bin, et, al (123)
Design and Simulation on Select and Shift Force of New Transmission Shift Mechanism	WU He-ying (128)
Modeling and Simulation of 26-DOF Model of 3-Axle Vehicle	YU Jun-hong, GUO Kong-hui, et, al (132)
Modeling and Simulation of Feeder Efficiency for Bus Rapid Transit and Conventional Bus Line Networks	LI Yao-nan, ZHOU Jing, et, al (138)
Research on Vehicle Distance Control Strategy of Automotive Adaptive Cruise Control System	LING Bin, SONG Meng-shi (143)
Tractor Fuel Tank Mode Based on Three-Dimensional Reconstruction Technology	MA Qing-liang, LUO Chang-hai, et, al (149)
Simulation of Video Image Fuzzy Feature Extraction for Mobile Terminal	CAI Song (154)
Optimal Load Tracking for Wireless Power Transmission Based on Variable Step Perturbation and Observation Method	CHEN Cong-jing, LI Zhi-hua, et, al (158)
Anti Jamming Design of Fractal Microstrip Antenna Receiving Signal Sensor	CHEN Lu (163)
Simulation Study on High Efficiency Encryption Algorithm of Multimedia Video Image	LAI Yi-qiang (168)
Digital Optical Network Communication Data Acquisition Method Optimization	QI Chao, ZHANG Xi (172)
Visualization Denoising Algorithm Simulation of Seabed Sonar Data	ZHANG Hang-qi (176)
Information Resource Balanced Distribution Simulation in Large Data	ZHANG Tong (180)
The Optimal Simulation of Transmission Rate of Investigated Signal of Deep-Sea Underway Profiler	ZHENG Yu, SHANG Ying-sheng, et, al (184)
Simulation and Design of Digital Up-Conversion FIR Half-Band Filter	JING Yi-qing (190)
Serial Visual Communication Distortion Image Color Correction Method under Simulation	DUAN Zhong-qi (195)
The Compressed Video Image Multiple Digital Watermarking Hiding Method Simulation	GU Fu-min (199)
Simulation and Optimization of Starting Posture of Long Distance Runners	HE Bei-na (203)
Optimal Design Simulation of Brand Image under Visual Observation	HOU Rui, YANG Li (207)
Average Torque Control of BLDCM Using One-Cycle and Three Phase Conduction Control	JIANG Wen-qiang, HAN Nian-chen, et, al (211)
Simulation of Basketball Players' Spiking Trajectory of Upper Limbs	LING Tong (216)
Design and Optimization of Chamfering and Rounding for the Thermal Barrier Coatings	

.....	LIU Zhou-xiang, YU Jin-xin, et, al (220)
Basketball Arm Shot Video Image Tracking Extraction Simulation	MIAO Jun (224)
Simulation of Target Location in CT Images of Brain Injuries	WANG Zhe,ZHANG Yu,et, al (228)
Urban Green Space Aging Degradation Characteristics Extraction Simulation	ZHANG Guo-yong (232)
Advertisement Mark Image Authenticity Effect Design Simulation	ZHAO Quan-yi,CHEN Yi-jiang,et, al (236)
Volleyball Service Path Video Image Correctness Correction Simulation	ZHAO Yang (240)
Research on Optimal Design of Gas Turbine Blade Cooling Structures	ZHENG Jie,ZHANG Ya-rong,et, al (244)
Modeling and Decoupling of Rack Motion of Slant Mount Telescopes	ZHOU Wang-ping, WANG Ya, et, al (248)
Correction Simulation of Three Dimensional Image of Table Tennis Player's Serve Position	Zhou Ying-bao (253)
Three Dimensional Layout Design and Simulation of Warehouse Storage Space	ZHUANG Ge-wei,SHEN Juan ,et, al (257)
Simulation of Movement Safety Prediction of Pattern Skipping Rope Under Large Data	ZOU Ye-bing,WANG Xin (261)
The Simulation Research on Thermal Cycle Design of Small Size Stirling Engine	LV Zhang-lai, GUO Peng-cheng (265)
Research on Robust Control of Sliding Mode Observer for Permanent Magnet Synchronous Motor	WU Chu,ZHU Wei-jie (270)
Research on Photoelectric Torque Sensor Based on Kalman Filtering	WU Li,ZHOU Yun-shan,et, al (275)
Analysis of Contact Strength of Gear and Rack in Self Elevating Offshore Platform	YE Fu-min,MENG Miao (280)
Adaptive Sage-Husa Filter Based on UD Decomposition Algorithm	LI Ming,XU Chuan-pei,et, al (285)
CUDA Reality ofLevel Set Algorithm for Segment Intensity Inhomogeneities Image	ZHUO Yong,YANG Hui-hua,et, al (290)
Design of Software Coupling Metrics for Object Oriented	GU Ai-hua, ZHOU Xiao-feng, et, al (296)
The Research of Complex Software to Ensure the Quality and Efficiency of Fast Test Simulation	GAO Yue (300)
Wireless Network Anomaly Information Intrusion Attack Intention Prediction Simulation	FANG Xiang,WANG Li-na (304)
Simulation Research of Network User Privacy Information Protection	HUANG Rui-cheng (308)
Research on Fast Attack Defense Simulation in Network Information Transmission	LAI Qing, ZENG Hong-wu (312)
Simulation of Attack Risk Prediction Based on Network Information Security	LU Wan-qing (316)
Simulation and Optimization of Invulnerability Based on Collaborative Network Attack	ZONG Min,YANG Jie (320)
Simulation of Sensitive Area Intelligent Marking Method for Multidimensional Visual Image	BAO Jiao (324)
2. 5D-3D RegistrationBased on Extreme Learning Machine and Its Application in Spinal Surgery Navigation	CHEN Fei,XIE Zhi-ge,et, al (328)
Excavator Manipulator's Trajectory Planning Simulation Base on Digging Target	GUO Zi-yang,LI Jie (334)
Research of Optimization and Simulation of Stability for Gas Collector Pressure of Coke Oven	LI Ai-lian,HAN Chang-hai (339)
Simulation of Optimal Identification of False Invalid Data under Large Data	WANG Xiao-hong (344)
Research on Wireless Charging Technology for Intelligent Robots	NIU Yu-jie,LENG Jian-wei (348)
Trajectory Tracking Control of Robot Manipulator Based on Wavelet Neural Network and Fuzzy Sliding Mode	WANG Fei,CHAO Zhi-qiang,et, al (353)
The Research Of Anti-swing Position Control For Overhead Crane Loading And Unloading	YAO Ya-chan,XU Wei-min,et, al (360)
Energy-Saving Control Simulation of Medium Temperature Solar Air Conditioning System	XIAO Dan-ping, GUO Chun-mei,et, al (365)
Simulation of Efficient Scheduling of Resource Load Sharing in IOT	CHEN Rong (369)
Network Platform Experimental Maintenance Equipment Resource Optimal Scheduling Simulation	CONG Gao-ying (373)
Simulation and Optimization of Broken Points in Ancient Architecture Images	GAO Hua (377)
Research on EMI Filter of Three - Phase Motor Drive System	JIANG Yan-shu,WANG Wei-liang, et, al (381)
Simulation of Risk Assessment of Power Grid Investment Recovery	LI Chan-juan (386)
Simulation Research of Incomplete Information Optimization Detection in Heterogeneous Database	LIU Min,LI Zhi-biao ,et, al (390)
Simulation Research on Drill Piston Fatigue Life Based on Damage Mechanics	LUO Chun-lei,MIN Jin-cai,et, al (395)
Simulation of Abnormal Fault Diagnosis of Network Nodes in Multi Parameter State	MA Yu-fang,CHEN Jian-hua (400)
Automatic Optimization Detection Simulation of Power Meter	WEI Zi-he (404)
The Image of Local Color Feature Type Design Optimization Method of Simulation	WU Wei (408)
Research on 3D Landscape Features Integration of Ancient Architecture	XIE Qian (413)
Based on Gobor Feature and Deep Belief Network Face Recognition Methods	YI Lihamu · YA Ermaimaiti (417)
Large Data Users Need Information Resource Detection Simulation	ZHANG Peng (422)
Network Information Interaction Process Security Vulnerability Detection Simulation	ZHAO Zhan-min, YUE Yong-zhe (426)
Optimized Prediction and Simulation of traffic Noise Interference Around Residents	ZHENG Qiu-ling, YANG Ke (430)
Athlete's Running Strength Training Joint Damage Optimization Prediction Simulation	ZHOU Hong-kai (435)
Internet User Image Resource Encryption Security Protection Simulation	TIAN Xiu-juan (439)
Simulation of Seismic Performance Evaluation of High-Rise Residential Buildings	XIA Yang (443)
Research on Automatic Monitoring of Mobile Data Based on Sensor Network	XIANG Lu-fen (447)
On Accurate Query Simulation of Medical Database Resources	GUO Rong-chuan (451)



中国科技核心期刊

(中国科技论文统计源期刊)

收录证书

CERTIFICATE OF SOURCE JOURNAL

FOR CHINESE SCIENTIFIC AND TECHNICAL PAPERS AND CITATIONS

计算机仿真

经过多项学术指标综合评定及同行专家
评议推荐，贵刊被收录为“中国科技核心期
刊”（中国科技论文统计源期刊）。

特颁发此证书。

中国科学技术信息研究所

Institute of Scientific and Technical Information of China

北京复兴路 15 号 100038

www.istic.ac.cn

2016 年 10 月

证书编号：S049-2016-0799

万方数据

有效期至：2017 年 12 月