



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



ISSN 1006-9348



12 >

9 771006 934033

万方数据

12
2017

目 次

在2017第十二届中国系统建模与仿真技术高层论坛上的报告	游景玉(1)
军事领域仿真	
敏捷指挥控制系统仿真支撑技术研究	饶佳人(1)
关于装备保障演练考核系统脆性预测研究	王付贵,阮拥军(5)
航空航天领域仿真	
基于MapReduce的民航收益漏洞规则提取研究	曹卫东,翟盼盼,朱远知(9)
航空煤油储运管在临界压力下泄露检测仿真	迟奕男,校云鹏,赵鹏程(14)
后缘旋转圆柱对低速翼型气动特性影响研究	单继祥,张旭,陈强洪(18)
基于改进遗传算法的无人机三维航路规划	李楠,刘朋,邓人博,张建华(22)
航空飞机雷达跟踪目标精度测量仿真	刘鑫,杨霄鹏,田士佳,薛阳(26)
微型四旋翼无人机姿态角度准确测量仿真	宋宇,王博,梁超,官鸿(31)
基于遗传粒子滤波的多径信号估计算法	田连杰,孙希延,纪元法(36)
含区域极点配置的舰载机着舰H ₂ /H _∞ 控制	汪节,吴文海,刘锦涛,张杨(41)
微小空间碎片气球卫星结构总体设计及分析	魏德超,杨萱,杨华(45)
无人飞行器姿态稳定性优化控制仿真研究	章孝,李智,王勇军(49)
空战对敌目标攻击路径辅助控制研究	王宝峰,李战武,寇英信,徐安(55)
拦截弹的鲁棒切换跟踪控制	史鲲,罗楚养,梁晓庚(61)
能源领域仿真	
高压输电网供电均衡性实时监测仿真研究	顾闻,韩东,张斌(67)
大规模配电网电力系统配置合理规划仿真	刘胜利(71)
电网供电系统不平衡负载补偿设计仿真	卫云齐,智泽英(76)
户内变电站主变室结构优化仿真系统	徐禄文,邹岸新(81)
关于微电网平滑切换稳定性控制策略研究	袁立敏,陈华,冯鑫,樊小朝(85)
关于光伏发电并网系统瞬变故障检测仿真	张涛,帕孜来·马合木提(90)
基于小波分解的油井加速度信号的周期计算	仲志丹,马利丹(96)
2MW级风力发电机叶片结构强度设计仿真	周里群,彭杰,李玉平,郑明远(101)
微网逆变器谐波抑制的LCL恒功率控制策略研究	陈景文,周鑫,张蓉,张东(110)
基于三相异步电机电压平衡性设计仿真研究	王帆,齐宏伟,田野(115)
关于集成电路系统的节能优化控制仿真研究	张昂(121)
地区配电网空间负荷优化预测仿真研究	郭丹丹,杜冠洲,韦古强,胡从川(125)
交通体系与工具仿真	
汽车发动机磁流变液悬置优化振动特性研究	潘公宇,肖云强,任成(129)
干线公路路侧安全设施风险性评估仿真研究	沈强儒,曹慧(135)
城市道路交通单向拥堵点预测分流仿真	孙冰(139)
三元锂电池SOC电量准确估计仿真研究	吴燕,周云山,李泉(143)
汽车发动机底护板复合材料优化设计研究	刘迪辉,谢新艳(149)
信息仿真	
网络数据传输高密度信息安全存储仿真	曹明,遇炳杰,刘咸通,柴文光(153)
无线网络通信传输信号延迟消除仿真研究	晋会杰,刘彦甲(157)
无线传感网络信息节能高效传输仿真	刘金峰,孙海峰(161)
紧急状态下候选通信网络信息实时生成仿真	王晓楠,巨永锋,高婷(165)
关于数据库信息流传输安全保护管理仿真	吴学雁(169)
多媒体网络视频图像压缩传输补偿优化仿真	张慧(173)
ROHC算法在LWIP上的仿真与实现	于浩,王芳(177)
低分辨率灰度图像传输真实度优化仿真研究	谢芳娟,曾萍萍,谭菊华(183)
网络随机数字信号多通道同步传输仿真研究	胡晓芳(187)
制造业仿真	
冲床机器视觉排料图像加定位优化仿真	倪东,余世明,唐厚君(191)
混流装配物流运输路径合理规划方法仿真	周伟,陈浩(196)
机床主轴回转加工精度优化控制仿真	林肯(200)
社会科学领域仿真	
银行贷款对中小企业信用优化评估建模仿真	程伟,刘建明(204)
仿真应用研究	
关于三维数字图像可视化重建仿真	邓诗元,杨豫婷(209)

跳远运动员起跳前助跑跟踪速度测试仿真	郭瑞芳(213)
网球运动员手臂运动轨迹图像监测仿真	黄江发(217)
平行夹持式贴插头动力学模型与仿真研究	李翔宇,高自成,李立君(221)
物流仓储多层级供应链均衡控制仿真	杨华玲,王力锋(225)
城市道路绿色景观三维可视化规划设计仿真	杨艳,卜言彬,陈婷(228)
挤压吹塑风环结构优化设计仿真研究	郑伟民,刘明尧(232)
高应变率压缩下温度对纳米多孔铜变形的影响	郭林凯,王磊(237)
圆柱面内接触应力分布及影响因素分析	夏建芳,李文琪(241)
排球正面扣球击球点高度准确性控制仿真	周鹏,王世伟,张五平(246)

仿真方法与算法

石窟建筑三维数字图像形貌拼接方法优化仿真	胡天正,侯少博(250)
一种新的智能策略:光学优化算法	王金叶,马良,刘勇(254)
数字图像区域复制粘贴特征点盲检测方法仿真	魏佳(260)
基于自适应标量—矢量量化的IQ数据压缩算法	王清,龚晓峰,雒瑞森(264)

仿真网络化

认知车载网中基于协作的中继选择策略研究	金喜龙,章国安,叶翔(269)
无线网络中通信用户目标节点定位仿真研究	蒙嘉文(275)
大数据网络恶意入侵数据准确恢复仿真研究	孟祥鹏(279)
物联网高效服务路由优化选择仿真研究	严圣华,王昌达(283)

仿真智能化

四旋翼无人水下航行器外形减阻优化设计仿真	裘金婧,项基(287)
异步电机转矩稳定性优化控制设计仿真	邹元威,万衡(292)
三维空间景观图像布局优化设计仿真	陈林星(297)

仿真虚拟化

基于重要度的卫星系统虚拟集群资源调度方法	林曼筠,赵现纲,谢利子,范存群(301)
----------------------	----------------------

仿真服务化

网络式激光扫描空间大型设备定位测量研究	曾红武,赖清(305)
关于网络环境中用户服务信息优化检测仿真	陈超泉,张鑫鑫,王政锋(309)
网络中三维景观图像样品优化查询仿真	单鹏宇,颜晓雯(313)
导构网络中用户信息资源优化检测方法研究	费宏慧(318)
带轴套转子的动力学稳定性研究	何文博,赵常青(321)
基于多特征融合及PSVM的车辆检测研究	胡均平,邓鹏,李勇成(326)
关于仿生图像动态目标优化提取仿真研究	黄丽达,陈燕,甘广欣(331)
交流电机直接转矩控制磁链观测技术研究	姜艳姝,金国义,徐兴(335)
织物疵点图像目标定位自动优化检测仿真	李永亭,齐咏生,刘利强,陆晨曦(340)
大数据环境下特征数据优化提取仿真	梁剑波,梁丽香(345)
关于数据库中软件安装运行管理仿真	刘胜艳(349)
立体断层图像配准误差校正仿真研究	鲁晓波(353)
铀在花岗岩中吸附性能预测仿真研究	马立平,王哲(356)
关于动态三维图像真实性识别仿真研究	钱乐旦,周潇(361)
网络资源信息传输负载均衡性调度仿真	王丽珍(366)
关于云平台上服务信息安全性检测仿真研究	徐影,吴钊,刘伟(370)
MapReduce计算模式下云资源定量评估方法仿真	杨戈(374)
关于心血管疾病因素优化预测仿真	杨云,张珍珍(379)
粘稠物料烘干机干燥过程优化仿真研究	印世杰,陈作炳,朱梦佳,项勤(383)
医院特定患者信息资源快速检索仿真研究	於馨彦,孙瑞玲(389)
复杂网络交流信息传输正确性识别仿真	苑宁萍,王呼生(393)
分散评估网络信息资源精确搜索方法仿真	张霖(398)
云计算环境下动态网络资源调度方法仿真	张鑫,汤磊(402)
三维景观规划图像特征增强方法仿真研究	赵立恒(407)
关于污泥搅拌器均匀度混合优化仿真	朱桂华,朱天宏,洪小波,柳颖娇(411)
地震烈度级数可视化图像优化检测仿真	丁炜,刘恒,廖成旺,黄颖(415)
云计算环境下资源负载均衡调度优化仿真	李春晖,谢永斌(420)
基于PCA和SVM的盾构液压系统故障诊断	刘金刚,周晓群,王凯(426)
云计算中数据信息加密安全存储仿真研究	涂俊英,张学敏(431)
物联网多源异构型目标数据优化查询仿真	贾方,张润寒,葛莉(435)
关于电子产品线路质量图像识别检测仿真	马强(439)
安全协议多目标语言代码缺陷检测方法仿真	孙雷(443)
水产养殖水质异常优化预测仿真研究	袁红春,吕苏娜(447)

CONTENTS

Research on Simulation Support Technology of Agile C2 System	RAO Jia - ren (1)
Research on Brittleness Prediction of Equipment Support Training Evaluation System	WANG Fu - gui, RUAN Yong - jun (5)
Research of Civil Aviation Revenue Leakage Rules Extraction Based on MapReduce	CAO Wei - dong, ZHAI Pan - pan, et, al (9)
Leak Detection Simulation of Aviation Kerosene Storage and Transportation Pipe under Critical Pressure	CHI Yi - nan, XIAO Yun - peng, et, al (14)
Numerical Simulation on Effects of Rotating Cylinder in Trailing Edge on Airfoil Aerodynamics Characteristic	SHAN Ji - xiang, ZHANG Xu, et, al (18)
Three Dimensional Path Planning for Unmanned Aerial Vehicles Based on Improved Genetic Algorithm	LI Nan, LIU Peng, et, al (22)
Aviation Aircraft Radar Tracking Target Precision Measurement Simulation	LIU Xin, YANG Xiao - peng, et, al (26)
Accurate Measurement and Simulation of Micro Quadrotor UAV Attitude Angle	SONG Yu, WANG Bo, et, al (31)
Multipath Signal Estimation Algorithm Based on Genetic Particle Filter	TIAN Lian - jie, SUN Xi - yan, et, al (36)
H_2/H_∞ Control with Regional Pole Placement for Carrier Landing	WANG Jie, WU Wen - hai, et, al (41)
Overall Design and Analysis of the Structure of Micro Space Debris Balloon Satellite	WEI De - chao, YANG Xuan, et, al (45)
Simulation Study on Attitude Stability Optimization Control of Unmanned Aerial Vehicles	ZHANG Xiao, LI Zhi, et, al (49)
Research on Path Aided Control of Air Attack Against Enemy Targets	WANG Bao - feng, LI Zhan - wu, et, al (55)
Robust Switching Tracking Control for the Interceptor	SHI Kun, LUO Chu - yang, et, al (61)
Simulation Study on Real Time Monitoring of Power Supply Equalization in High Voltage Transmission Network	GU Wen, HAN Dong, et, al (67)
Rational Planning Simulation of Power System Allocation in Large Scale Distribution Network	LIU Sheng - li (71)
Design and Simulation of Unbalanced Load Compensation for Power Supply System	WEI Yun - qi, ZHI Ze - ying (76)
A Simulation System for the Structural Optimization of Main Transformer Rooms in the Indoor Substations	XU Lu - wen, ZOU An - xin (81)
Research on Control Strategy of Microgrid Smooth Switching Stability	YUAN Li - min, CHEN Hua, et, al (85)
Simulation of Distortion Fault Detection for Photovoltaic Grid Connected System	ZHANG Tao, Pazilai Mahemuti (90)
Calculation of Pumping Unit Acceleration Signal Period Based on Wavelet Decomposition	ZHONG Zhi - dan, MA Li - dan (96)
Design Simulation of 2MW Wind Turbine Blade Structure Strength	ZHOU Li - qun, PENG Jie, et, al (101)
Research on LCL Constant Power Control Strategy for Harmonic Suppression of Micro Grid Inverter	CHEN Jing - wen, ZHOU Xin, et, al (110)
Research and Simulation of Three - Asynchronous Motors Based on Voltage Balance Design	WANG Fan, QI Hong - wei, et, al (115)
Simulation Research on Energy Saving Optimization Control of Integrated Circuit System	ZHANG Ang (121)
Simulation Study on Spatial Load Forecasting of Regional Distribution Network	GUO Dan - dan, DU Guan - zhou, et, al (125)
Optimal Vibration Characteristics Research of Magnetorheological Fluid Mount for Automotive Engine	PAN Gong - yu, XIAO Yun - qiang, et, al (129)
Simulation Study on Risk Assessment of Safety Facilities on Roadside	SHEN Qiang - ru, CAO Hui (135)
Simulation of Prediction Diversion for One Way Congestion Point of Urban Road Traffic	SUN Bing (139)
Simulation on Accurate SOC Estimation of Ternary Lithium Battery	WU Yan, ZHOU Yun - shan, et, al (143)
Design Optimization of Engine Protected Board Based on Topology and Topography Optimization	LIU Di - hui, XIE Xin - yan (149)
Simulation of Secure Storage of High Density Information for Network Data Transmission	CAO Ming, YU Bing - jie, et, al (153)
Simulation Research on Delay Cancellation of Transmission Signal in Wireless Network Communication	JIN Hui - jie, LIU Yan - jia (157)
Energy Efficient Transmission Simulation of Wireless Sensor Networks	LIU Jin - feng, SUN Hai - feng (161)
Simulation of Real - Time Generation of Candidate Communication Network Information in Emergency	WANG Xiao - nan, JU Yong - feng, et, al (165)
Large Database Information Flow Transmission Security Protection Management Simulation	WU Xue - yan (169)
Multi - Media Network Video Image Compression Transmission Compensate Optimization Simulation	ZHANG Hui (173)
Simulation and Implementation of ROHC Algorithm on LWIP	YU Hao, WANG Fang (177)
Simulation and Optimization of Low Resolution Gray Image Transmission	XIE Fang - juan, ZENG Ping - ping, et, al (183)
Simulation study on multi channel random digital signal transmission network synchronization	HU Xiao - fang (187)
Punch Machine Computer Version Packing and Location Nesting Optimization Simulation	NI Dong, YU Shi - ming, et, al (191)
Mixed Model Assembly Logistics Transportation Route Reasonable Planning Method Simulation	ZHOU Wei, CHEN Hao (196)
Optimization of Machining Accuracy of Machine Tool Spindle	LIN Ken (200)
Modeling and Simulation of Credit Optimization Evaluation of Small and Medium - sized Enterprises by Bank Loans	CHENG Wei, LIU Jian - ming (204)
Simulation of 3D Digital Image Visual Reconstruction	DENG Shi - yuan, YANG Yu - ting (209)
Long jump athletes run - up run - up speed test simulation	Guo Rui - fang (213)
Simulation of Tennis Player's Arm Trajectory Image Monitoring	HUANG Jiang - fa (217)
Study on Dynamic Model and Simulation of Parallel Clamping Type Stick Plug	LI Xiang - yu, GAO Zi - cheng, et, al (221)

Logistics Warehousing Multi - Level Supply Chain Equilibrium Control Simulation	YANG Hua - ling, WANG Li - feng (225)
Urban Road Green Landscape 3D Visual Planning and Design Simulation	YANG Yan, BU Yan - bin, et, al (228)
A Simulation Research of Optimization Design for Air Ring Structure in the Film Blowing Process	ZHENG Wei - min, Liu Ming - yao (232)
Deformation of Nanoporous Copper Subjected to High - Rate Compression at Various Temperatures	GUO Lin - kai, WANG Lei (237)
Analyzing Stress Distribution and Influencing Factors of Inner Cylindrical Surface Contact	XIA Jian - fang, LI Wen - qi (241)
Simulation of the Accuracy Control of the Hitting Point Height in the Positive Spike of the Volleyball	ZHOU Peng, WANG Shi - wei, et, al (246)
Optimized Simulation of 3D Digital Image Morphology Mosaic Method for Grottoes	HU Tian - zheng, HOU Shao - bo (250)
A New Intelligent Optimization Algorithm: Optical Optimization Algorithm	WANG Jin - ye, MA Liang, et, al (254)
Digital Image Area Copy and Paste Feature Point Blind Detection Method Simulation	WEI Jia (260)
IQ Data Compression Algorithm Based on Adaptive Scalar - Vector Quantization	WANG Qing, GONG Xiao - feng, et, al (264)
Research on the Relay Selection Strategy Based on Cooperation in CR - VANET	JIN Xi - long, ZHANG Guo - an, et, al (269)
Research on the Localization of Target Node in Wireless Network	MENG Jia - wen (275)
Research on the Simulation of Large Data Network Intrusion Data Recovery	MENG Xiang - peng (279)
Simulation Research on Routing Optimization of Efficient Service Routing in Internet of Things	YAN Sheng - hua, WANG Chang - da (283)
The Shape Design Optimization Simulation of Quadrotor Unmanned Underwater Vehicle for Drag Reduction	QIU Jin - jing, XIANG Ji (287)
Simulation of Torque Stability Optimization Control for Asynchronous Motor	ZOU Yuan - wei, WAN Heng (292)
Simulation of Optimization Design in 3D Space Landscape Image Layout	CHEN Lin - xing (297)
A Virtual Cluster Resource Scheduling Method Based on Importance in Satellite System	LIN Man - yun, ZHAO Xian - gang, et, al (301)
Research on Location Measurement of Large Space Equipment Based on Network Laser Scanning	ZENG Hong - wu, LAI Qing (305)
Simulation of User Service Information Optimization in Network Environment	CHEN Chao - quan, ZHANG Xin - xin, et, al (309)
Simulation and Optimization of 3D Landscape Image Sample in Network	SHAN Peng - yu, YAN Xiao - wen (313)
Research on Optimal Detection Method of User Information Resources In Network	FEI Hong - hui (318)
Research on Dynamic Stability of Turbine Pump Shaft Sleeve Structure	HE Wen - bo, ZHAO Chang - qing (321)
Study on Detecting Method of Preceding Vehicle Based on Multi - Feature Fusion and PSVM	HU Jun - ping, DENG Peng, et, al (326)
Simulation Research on Dynamic Target Optimization Extraction of Bionic Image	HUANG Li - da, CHEN Yan, et, al (331)
Research on Flux Linkage Observation Technology in Direct Torque Control of AC Motor	JIANG Yan - shu, JIN Guo - yi, et, al (335)
Automatic Fabric Defect Detection Simulation Optimization of Image Target Localization	LJ Yong - ting, QI Yong - sheng, et, al (340)
Optimization of Feature Data Extraction in Large Data Environment	LIANG Jian - bo, LIANG Li - xiang (345)
Simulation on Software Installation and Operation Management in Database	LIU Sheng - yan (349)
Simulation of Error Correction in Stereo Image Registration	LU Xiao - bo (353)
Research on Prediction Adsorption Capacity of Nuclide Uranium in Granite Rocks	MA Li - ping, WANG Zhe (356)
Simulation Research on Dynamic 3D Image Reality Recognition	QIAN Le - dan, ZHOU Xiao (361)
Simulation of Scheduling of Network Resource Information Transmission Load Balancing	WANG Li - zhen (366)
Simulation Research on Service Information Security Detection on Cloud Platform	XU Ying, WU Zhao, LIU Wei (370)
Simulation of Quantitative Evaluation Method of Cloud Resources in MapReduce Calculation	YANG Ge (374)
Optimal Prediction Simulation of Cardiovascular Disease Factors	YANG Yun, ZHANG Zhen - zhen (379)
Optimization Simulation of Viscous Material Dryer Drying Process	YIN Shi - jie, CHEN Zuo - bin, et, al (383)
Simulation Research on Information Retrieval of Hospital Specific Patient Information	YU Xin - yan, SUN Rui - ling (389)
Simulation of Fragmentation Data Reorganization Method in Computer Applications	YUAN Ning - ping, WANG Hu - sheng (393)
Simulation Method for Accurate Evaluation of Network Information Resources	ZHANG Lin (398)
Simulation of Dynamic Network Resource Scheduling in Cloud Computing Environment	ZHANG Xin, TANG Lei (402)
Simulation Research on Image Feature Enhancement Method of 3D Landscape Planning	ZHAO Li - heng (407)
Simulation of Uniform Mixing Optimization for Sludge Agitator	ZHU Gui -hua, ZHU Tian - hong, et, al (411)
Optimal Inspection for Simulation of Seismic Intensity Visualization	DING Wei, LIU Heng, et, al (415)
Optimal Scheduling of Resource Load Balancing in Cloud Computing Environment	LI Chun - hui, XIE Yong - bin (420)
Fault Diagnosis of Hydraulic System for Shield Machine Based on PCA and SVM	LIU Jin - gang, ZHOU Xiao - qun, et, al (426)
Research on Data Encryption and Storage in Cloud Computing	TU Jun - ying, ZHANG Xue - min (431)
Simulation of Optimization Query of the Multi - Source Heterogeneous Target Data in the Internet of Things Environment	JIA Fang, ZHANG Run - han, et, al (435)
Electronic Product Line Quality Image Recognition Detection Simulation	MA Qiang (439)
Simulation of Defect Detection Method for Security Protocol Multi Object Language Code	SUN Lei (443)
Simulation Study on Optimal Prediction of Aquaculture Water Quality Anomaly	YUAN Hong - chun, LV Su - na (447)



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。



2016年10月

证书编号：S049-2016-0799

万方数据

有效期至：2017年12月