



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



1101001011110100
101100010111
01011101001010101

ISSN 1006-9348



9 >

9 771006 934033

万方数据

9
2016

目次

军事领域仿真

- 基于混合数据类型特征矢量的雷达辐射源识别 常进,关欣,王虹,衣晓(1)
火箭炮位置伺服系统目标准确性控制 贺昱曜,刘鑫(5)
关于雷达遥感图像融合优化研究 宋野(9)
网络化军事装备体系经费效益评估模型 翟楠楠,刘晓东(13)
鱼雷全弹道仿真系统性能最优设计 任庆生,李斌,范若楠,曾进(19)
火炮自动供输弹药液压系统仿真设计 朱汗青,马广顺,田睿(23)

航空航天领域仿真

- 飞机电动液压泵寿命分布智能识别方法研究 高斌,曹克强,胡良谋,景涛(28)
基于网络分析法的空防威胁评估算法 郝秦芝,周中良,高智敏(34)
弹道导弹突防作战效能评估研究 贺绍桐,薛伦生,徐晨洋,刘赞(39)
航空集群定位编队协调构型控制研究 胡利平,梁晓龙,张佳强(45)
基于规则的无人机集群运动控制 景晓年,梁晓龙,孙强,张佳强(50)
直升机载反舰导弹指数趋近律姿态控制 黎海青,刘晓霞,程冬,王冬(55)
关于无人机训练驾驶虚拟系统的优化设计 李丽丽(59)
虚拟导弹弹道轨迹目标训练系统设计研究 马光利,李智,牛军浩,王灵艳(63)
航空装备携行配置优化研究 邵雨晗,辛后居,徐启丰,何亚群(68)
无人机作战对目标点的航迹规划方法研究 沈华,陈金良,周志靖,李寰宇(73)
基于无线传感网络的平流层飞艇蒙皮应变监测 孙久康,王全保,赵海涛,陈吉安(77)
应对空中恐怖事件航空管制指挥决策模型仿真 王新语,崔浩林(81)
气囊缓冲机理研究及排气口面积的影响 吴琼,余莉,姚向茹(85)
空空导弹消耗需求量预测模型研究 谢熠王垠,肖明清,赵亮亮,姚鹏(90)
一种飞艇自适应控制方法及其稳定性能仿真 徐飞,孟庆浩,罗冰,雷戈航(97)
关于战斗机空战指挥引导优势评估研究 杨杰,韩其松,余敏建,张豫翔(101)
基于改进RRT算法的预警机实时航迹规划 张煜,任保安,陈璟(106)
地空导弹拦截模型下无人机突防方向的研究 张振中,鲁艺,张辉明,张淘沙(113)
关于飞行发动机数据异常实时检测仿真研究 周德新,刘宸宇,牛亚月(118)
复杂战场环境下UCAV低空突防航迹规划 周一叶,姚登凯,吴奇科(123)
卫星发射与地面接收信号位同步算法仿真研究 胡明睿,陈长兴,冯晓玉(127)
有人机/无人机协同作战编队优化建模设计 姜禹呈,郭基联,沈安慰,周舟(132)
航空发动机自适应传感器故障重构方法研究 姚凯翔,彭靖波,谢寿生,王立国(137)
航空飞行员直觉模糊空战战术决策研究 张戈,寇雅楠,张彬超,张强(142)

能源领域仿真

- 基于视频图像的电力线故障诊断仿真研究 廖圣龙,安居白(147)
风电网络偏航控制器的优化设计与实现 孙园,张辑(151)
空气钻井随钻微波接力传输系统研究 王苏虹,李伟勤(155)
智能电网交互系统负荷预测仿真研究 张建伟,杨昊,赵永辉,李仕林(159)

交通体系与工具仿真

- 基于PMV-PPD可视化车室热舒适性仿真研究 莫志姣,唐江明,谷正气,申红利(163)
基于主动横向稳定杆的车辆侧倾控制研究 邱香(169)
一种快速准确非结构化道路检测方法研究 武历颖,余强(174)
关于改善高速路流量预测精度的研究 宿慧娟,舒勤,黄宏光(179)
电动汽车无线充电系统建模与分析 徐晨洋,张强,李岳,牛天林(184)
四轮独立驱动电动轮汽车的平顺性仿真研究 杨蔚华,方子帆,何孔德(189)
公交乘客优先信号模糊控制仿真研究 周宁,刘小明,唐少虎,郑国荣(194)
大型地铁项目的改进管理模型的仿真分析 郝亮(200)

信息仿真

- 网络动态通信中的节点选择方法仿真分析 马远佳(204)
一种改进的基于网格划分空间位置匿名算法 王伟芳,陈明锐,赵瑶池(208)
智能通信中的信号识别与虚警定位仿真 徐音,马爱霞,朱旭普(211)
关于窄带通信信号滤波方法的优化与仿真 李嵩华,王馨晨,王丹(215)

制造业仿真

- 离散机床制造系统加工节能优化仿真 蔡磊,王艳,徐彬梓,纪志成(219)

教学仿真

体育运动错误动作的三维视觉检测建模研究 朱志锋(225)

社会科学领域仿真

网络营销对实体经济的冲击作用仿真分析 张令娟(229)

仿真应用研究

夜间行人图像的智能识别方法改进 丁 勤(233)

输电杆塔载荷安全强度设计仿真研究 吴利霞,胡基才,李 杰,巫世晶(237)

基于光电子封装的永磁直线电机结构优化仿真 谢 凯,周海波,周振宇(242)

基于形变模型的弱纹理人脸图像合成方法改进 杨 勃,马 禄(248)

关于游泳水的阻力与姿势动态建模优化仿真 孙吉成(252)

仿真方法与算法

负载均衡的水声传感器网络自适应分簇算法 蒋 华,李慧娟,王 鑫(256)

在线商品质量可靠性控制算法 李 庆(261)

一种基于单纯形搜索的混合分布估计算法 张 婷,韩 璞,刘 森(265)

SURF 与 RANSAC 算法结合的图像跟踪方法 权 巍,包铁壮,白宝兴,白利娟(268)

仿真软件

基于函数调用路径准则的测试充分性研究 陈 柳,牟永敏,张志华(273)

面向 C# 的函数调用路径生成 胡明珏,牟永敏,张志华(278)

仿真网络化

异构网络下 TCP 拥塞控制疏导方法的研究与仿真 孔金生,张 浩(284)

非平稳数据流下的网络入侵检测优化方法研究 武怀生(288)

大数据环境下入侵风险评估优化模型仿真分析 郑 宏,蔡宇翔(292)

高伪装网络入侵行为的辨识方法优化仿真 祝毅鸣,刘 莹(296)

资源受限无线传感器网络的入侵检测研究 顾炜江(301)

网络高负载下的崩溃估计模型仿真 张 杰,景 雯,张景安(305)

基于 RFID 智能感知无线路由器防碰撞技术研究 赵建华(309)

网络流量预测算法仿真分析 张 涛,唐 华,张甜甜(313)

一种用于传感器网络的目标检测方法改进研究 刘艳波(317)

移动网络中异常节点快速定位优化方法的仿真 仇丹丹(321)

仿真智能化

基于并行计算的冠状循环血流仿真研究 方路平,姚家良,宁钢民,潘 清(325)

关于移动机器人路径最优规划研究 江 杰,张怀超(329)

云平台多通道最优调度机制的研究 姜 涛(335)

制冷系统 NPID 控制器优化设计研究 李 庚,吴爱国,温海棠(339)

关于变风量空调系统控制性能优化设计 李 浩,吴晓君,唐 婷,蔡君义(345)

关于链篦机焙烧温度场优化控制仿真研究 孙红星,刘东昆,高宝威,徐少川(350)

高功率微波电子器件易损性评估仿真研究 唐 鑫,杨建军,严 聪(354)

一类纯反馈非线性系统的反推近似滑模控制 汪 涛,胡剑波,李 飞,郑 磊(358)

科研项目专家评审策略优化推荐仿真分析 王晓华,方 强,张 钰(364)

快递机器人目标路径避障规划仿真研究 熊保顺,崔浩林(369)

下肢外骨骼机器人行走过渡稳定性控制研究 闫大富,邓 华,钟国梁(375)

一种基于群智能算法的模糊控制器优化设计方法 张静华,韩 璞(380)

物联网设备故障数据定位优化仿真研究 张 岚(385)

关于人体图像精确处理算法改进 祝红琴(388)

化工灾害搜救机器人路径规划研究 周旺平,巩力源,王 雅(392)

高强度武术训练对脚部踝关节损伤评估仿真 王永新,王秋芬(396)

关于集群数据库均衡性分配方法的优化与仿真 胡亨伍(400)

数据库中特定奇异数据优化检测的研究 刘 敏,李智彪,熊 婷(404)

仿真虚拟化

武器装备虚拟训练系统过程建模设计 舒 涛,梅 朝,宋 涛,张卫东(408)

基于 3D 骨架的交警指挥姿势动作识别仿真 赵思蕊,吴亚东,杨文超,蒋宏宇(412)

基于重建三维地形的虚拟重建方法研究与仿真 王 畅(418)

仿真服务化

海量图书关键词特征检索定位优化仿真研究 刘 中(422)

复杂系统中不可达函数调用路径检测方法研究 潘 璐,牟永敏,张志华(426)

基于 Harris 角点的弱纹理三维非连续图像检测 逢 晖(431)

煤与瓦斯突出预测模型仿真研究 杨荣明,陈长华,李海霞(435)

港口码头场桥自动化调度建模仿真 郑宇超,朱 瑾,吴远焰,刘 彪(440)

大数据视频图像关键帧的检索模型优化仿真 张 波,王 颖(446)

基于限定性约束条件的数据库访问优化设计 高 静(450)

数据库中敏感数据定位挖掘方法研究 田春子,邵晓康(454)

CONTENTS

Radar Emitter Recognition Based on Feature Vector with Hybrid Data Types	CHANG Jin, GUAN Xin, et, al (1)
The Accuracy Control of Target Position Servo System of Rocket Launcher	HE Yu-yao, LIU Xin (5)
Research on Optimization of Radar Remote Sensing Image Fusion	SONG Ye (9)
Efficiency Evaluation Model of Networked Military Equipment System's Expenditure	ZHAI Nan-nan, LIU Xiao-dong (13)
Performance Optimization of the Complete Trajectory Torpedo Simulation System	REN Qing-sheng, LI Bin, et, al (19)
Study on Fault Diagnosis and Modeling Simulation of Ramming Hydraulic System	ZHU Han-qing, MA Guang-shun, et, al (23)
Research on Intelligent Recognition of Life Distribution of the Aircraft Electric Motor Driven Pump	GAO Bin, CAO Ke-qiang, et, al (28)
Threat Assessment of Air Defense Based on Analytic Network Process	HAO Qin-zhi, ZHOU Zhong-liang, et, al (34)
Study on the Evaluation of Operational Effectiveness of Ballistic Missile Penetration	HE Shao-tong, XUE Lun-sheng, et, al (39)
Research on Coordination Formation Configuration Control of Aircraft Swarms Location	HU Li-ping, LIANG Xiao-long, et, al (45)
Motion Control of UAVs Based on Rules	JING Xiao-nian, LIANG Xiao-long, et, al (50)
Attitude Control Research of the Helicopter-Airborne Anti-Ship Missile Based on Exponential Approaching Law	LI Hai-qing, LIU Xiao-xia, et, al (55)
Unmanned Aerial Vehicle (UAV) Training Driving System Optimization Design Based on Virtual Reality	LI Li-li (59)
Research of Virtual Missile Trajectory and Target Training System	MA Guang-li, LI Zhi, et, al (63)
Research on The Optimization of Aviation Equipments Carrying Allocation	SHAO Yu-han, XIN Hou-ju, et, al (68)
The Method Research for Target Point Path Planning for Target Point of UAV	SHEN Hua, CHEN Jin-liang, et, al (73)
The Strain Monitoring of Stratospheric Airship Envelope Based on Wireless Sensor Network	SUN Jiu-kang, WANG Quan-bao, et, al (77)
To Deal with the Air Attacks Air Traffic Control Command Decision-Making Model Simulation	WANG Xin-yu, CUI Hao-lin (81)
Study on the Cushioning Properties of Airbag and the Effect of Vent Size	WU Qiong, YU Li, et, al (85)
Research on Air-to-air Missile Consumption Demand Forecasting Model	XIE Yi-wang-lang, XIAO Ming-qing, et, al (90)
An Adaptive Control Method and Stability Simulation of Blimp	XU Fei, MENG Qing-hao, et, al (97)
The Research About the Advantage Evaluation of Air Combat Fighter Command and Guidance	YANG Jie, HAN Qi-song, et, al (101)
An Modified RRT-Based Real-Time Route Planning Algorithm for Early Warning Airplane	ZHANG Yu, REN Bao-an, et, al (106)
Study on Penetration Direction of UAV Based on the Surface to Air Missile Interception Model	ZHANG Zhen-zhong, LU Yi, et, al (113)
Simulation Research about Flight Engine Data Anomaly Detection in Real-Time	ZHOU De-xin, LIU Chen-yu, et, al (118)
Flight Path Planning for UCAV Low-Altitude Penetration under Complex Battlefield Environment	ZHOU Yi-ye, YAO Deng-kai, et, al (123)
Investigation on the Bit Synchronization Algorithm Simulation of the Satellite Launching And Receiving Signal	HU Ming-rui, CHEN Chang-xing, et, al (127)
Design of the Optimization Model about Manned/Unmanned Aerial Vehicle Cooperative Combat Formation	JIANG YU-cheng, GUO Ji-lian, et, al (132)
Research on Adaptive Sensor Fault Reconstruction Method for Aero-engine	YAO Kai-xiang, PENG Jing-bo, et, al (137)
Aviation Pilots Air Combat Tactics Decision-making Based on Intuition Fuzzy	ZHANG Ge, KOU Ya-nan, et, al (142)
Fault Diagnosis of Power Line based on Video Images	LIAO Sheng-long, AN Ju-bai (147)
Wind Yaw Controller Optimization Design and Implementation	SUN Yuan, ZHANG Ji (151)
Research on Microwave Relay Transmission System	WANG Su-hong, LI Wei-qin (155)
Intelligent Interaction with Power System Load Forecasting Simulation Research	ZHANG Jian-wei, ANG Hao, et, al (159)
A Study on Numerical Simulation of Cabin Thermal Comfort Based on Visual PMV-PPD Index	MO Zhi-jiao, TANG Jiang-ming, et, al (163)
Control Research for Enhancing Vehicle Roll Stability Based on Active Anti-roll Bar	QIU Xiang (169)
A Fast and Accurate Detection Method of Unstructured Road	WU Li-ying, YU Qiang (174)
Study on Traffic Prediction Accuracy Based on Moving-Polynomial Smoother Algorithm	SU Hui-juan, SHU Qin, et, al (179)
Modeling and Analysis of Wireless Charging Systems for Electrical Vehicles	XU Chen-yang, ZHANG Qiang, et, al (184)
Simulation Research on Ride Comfort of Four in-Wheel Motors Independent Driven Electric Vehicle	YANG Wei-hua, FANG Zi-fan, et, al (189)
Bus Passenger Priority Fuzzy Control and Simulation	ZHOU Ning, LIU Xiao-ming, et, al (194)
Big Improvement of Metro Project Management Model of the Simulation Analysis	HAO Liang (200)
Network Dynamic Node Selection Method in the Communication of the Simulation Analysis	MA Yuan-jia (204)
An Improved Location-Cloaking Algorithm Based on Grid-Divided Space	WANG Wei-fang, CHEN Ming-rui, et, al (208)
Orientation of Signal Recognition and False Alarm in Intelligent Communication Simulation	XU Yin, MA Ai-xia, et, al (211)
On the Optimization and Simulation of Narrowband Signal Filtering Method	LI Song-hua, WANG Xin-chen, et, al (215)
Energy Saving Optimization Simulation of Discrete Machine Tool Manufacturing System	CAI Lei, WANG Yan, et, al (219)

Sports Error Action of 3D Visual Detection Modeling Research	ZHU Zhi-feng (225)
The Network Marketing to the Real Economy Impact Simulation Analysis	ZHANG Ling-juan (229)
Improvement of Intelligent Identification Method for the Pedestrian Images at Night	DING Qin (233)
Transmission Tower Load Security Strength Design Simulation Research	WU Li-xia, HU Ji-cai, et, al (237)
Structural Optimization Simulation of Permanent Magnet Linear Motor Based on Optoelectronics Packaging Platform	XIE Kai, ZHOU Hai-bo, et, al (242)
Weak Face Image Texture Synthesis Based on Deformation Model and Simulation	YANG Bo, MA Lu (248)
About Swimming Water Resistance and Position Dynamic Modeling Optimization Simulation	SUN Ji-cheng (252)
Adaptive Clustering Algorithm with Load-balanced in UASNs	JIANG Hua, LI Hui-juan, et, al (256)
Online Product Quality Reliability Control Algorithm	LI Qing (261)
A Hybrid Optimization Method Combining Simplex Search and Estimation of Distribution Algorithm	ZHANG Ting, HAN Pu, et, al (265)
A Method of Real-Time Picture Tracking and Mapping Based on SURF Algorithm and RANSAC Algorithm	QUAN Wei, BAO Tie-zhuang, et, al (268)
Test Adequacy Research Based on Function Call Path Criterion	CHEN Liu, MU Yong-min, et, al (273)
Function call Path Generation for C#	HU Ming-jue, MU Yong-min, et, al (278)
Under the Heterogeneous Network TCP Congestion Control Research and Simulation of Persuasion Method	KONG Jin-sheng, ZHANG Hao (284)
Intrusion Detection Research Network Optimization Method of Non-Stationary Flow Of Data	WU Huai-sheng (288)
Big Data Environment Risk Assessment of Optimization Model for the Simulation Analysis	ZHENG Hong, CAI Yu-xiang (292)
High Camouflage Network Intrusion Behavior Identification Method Optimization Simulation	ZHU Yi-ming, LIU Ying (296)
Resource Constraints of Wireless Sensor Network Intrusion Detection Research	GU Wei-jiang (301)
The Collapse of the Dot-Com under High Load Estimation Model Simulation	ZHANG Jie, JING Wen, et, al (305)
Based on the RFID Intellisense Wireless Router Collision Technology Research	ZHAO Jian-hua (309)
Network Traffic Prediction Algorithm Simulation Analysis	ZHANG Tao, TANG Hua, et, al (313)
A used to Improve Target Detection Method of Sensor Network Research	LIU Yan-bo (317)
Locate Abnormal Node in Mobile Network Optimization Method of the Simulation	QIU Dan-dan (321)
Simulation of the Hemodynamic Condition in Coronary Vascular System Based on Parallel Computing	FANG Lu-ping, YAO Jia-liang, et, al (325)
Research on Robot Path Planning Based on Improved Potential Field Ant Colony Algorithm	JIANG Jie, ZHANG Huai-chao (329)
Cloud Platform Multimodal Optimal Scheduling Mechanism Research	JIANG Tao (335)
Optimization Design Research of Refrigeration system NPID Controller	LI Geng, WU Ai-guo, et, al (339)
Optimization Design for the Control Performance of VAV Air-Conditioning System	LI Hao, WU Xiao-jun, et, al (345)
Simulation of Optimal Control of Chain Grate's Temperature Field	SUN Hong-xing, LIU Dong-kun, et, al (350)
Simulation Research on Vulnerability Assessment of Electronic Devices Illuminated or Injected by High Power Microwave	TANG Xin, YANG Jian-jun, et, al (354)
Backstepping Approximate Sliding Mode Control for a Class of Pure-Feedback Nonlinear Systems	WANG Tao, HU Jian-bo, et, al (358)
Scientific Research Project Experts Recommended Strategy Optimization Simulation Analysis	WANG Xiao-hua, FANG Qiang, et, al (364)
Simulation Research on Target Path Obstacle Avoidance Planning for Express Robot	XIONG Bao-shun, CUI Hao-lin (369)
The Investigation on Walking Transitioning Stability Control of Lower Extremity Exoskeleton	YAN Da-fu, DENG Hua, et, al (375)
A Method for Fuzzy Controller Optimization Design Based on Swarm Intelligence	ZHANG Jing-hua, HAN Pu (380)
Lot Device Failure Data Location Optimization Simulation Research	ZHANG Lan (385)
About the Body Image Precision Processing Algorithm is Improved	ZHU Hong-qin (388)
Chemical Disaster Rescue Robot Path Planning	ZHOU Wang-ping, GONG Li-yuan, et, al (392)
High Strength and Martial Arts Training Simulation Assessment on Foot Ankle Injury	WANG Yong-xin, WANG Qiu-fen (396)
About the Cluster Database Optimization and Simulation of Uniform Distribution Method	HU Heng-wu (400)
The Oracle Database Specific Research of Singular Data Optimization Detect	LIU Min, LI Zhi-biao, et, al (404)
Design of Process-Modeling in Weapon Virtual Training	SHU Tao, MEI Zhao, et, al (408)
Recognition Simulation on Traffic Police's Command Postures Based on 3D Framework	ZHAO Si-rui, WU Ya-dong, et, al (412)
3 d Terrain Data of Virtual 3 d Reconstruction Method Rresearch and Simulation	WANG Yang (418)
Massive Books Feature Retrieval Orientation Key Term Optimization Simulation Research	LIU Zhong (422)
Research on Infeasible Function Call Path Detection Method in Complex System	PAN Lu, MU Yong-min, et, al (426)
Weak Texture Three-Dimensional Discontinuous Image Detection Based on Harris Corner	PENG Hui (431)
The Simulation Research of Prediction Model in Coal and Gas Outburst	YANG Rong-ming, CHEN Chang-hua, et, al (435)
Modeling and Simulation of Yard Crane Automatic Scheduling in a Terminal	ZHENG Yu-chao, ZHU Jin, et, al (440)
Big Data Video Image Retrieval Model Optimization Simulation of Key Frames	ZHANG Bo, WANG Ying (446)
Database Access Optimization Design Based on Defining Constraints	GAO Jing (450)
Location Sensitive Data in the Database Mining Technology Research	TIAN Chun-zi, SHAO Xiao-kang (454)



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

2015 年 10 月

证书编号: S049-2015

万方数据

有效期至: 2016 年 12 月