



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



QK1718028



ISSN 1006-9348



7 >

9 771006 934033

7
2017

目 次

军事领域仿真

反导武器悬浮子弹抛撒防御来袭目标效能设计	柏楷霖,钱建平,李珂,杜凯(1)
无动力运载器水下运动建模与仿真	耿斌斌,徐志程,裴胤(6)
武器发射弹体内塑料弹带强度优化设计仿真	唐红春,王璐,史永高(10)
防空导弹搜索雷达电子对抗模拟系统设计	魏保华,柳鹏,范书义,郑思龙(14)
基于多模融合的破片对装备毁伤评估方法研究	吴晓颖,张志,张万君,李帆(18)
基于影响网络的混合约束作战方案优化方法	朱延广,张新宇,张驭龙,张晓辉(22)

航空航天领域仿真

四旋翼飞行器姿态稳定性优化研究	杜永兴,邓峰峰,李宝山,秦岭(27)
电动飞机大功率泵阀协调作动优化控制仿真	郭创,姚斌,郑晓飞,王云鹏(31)
风场环境下某运输机超低空空投稳定性控制	雒东超,王文星,张晓敏,孙秀霞(39)
滑翔导弹规避威胁区航迹有效规划仿真	牛晓洁,舒健生,李邦杰,王宁(44)
超燃冲压发动机燃烧室冷却通道的优化设计	秦昂,周章文,张登成(49)
固体火箭发动机双喷管推力优化设计仿真	王明清,王浩(54)
航天器燃料箱液位优化测量仿真研究	王颖,禹静,李东升,于航(58)
飞行器多螺旋桨组合悬停优化控制研究	于叶苹,周平方(63)
在轨卫星GPS导航实时高精度定轨控制仿真	郑永艾,张伟,梁尔涛,章英杰(68)
基于预定性能的四旋翼飞行器姿态控制	常绍平,师五喜,郭建川(73)
四旋翼无人机反步自适应容错控制研究	范佳明,陈奕梅(79)
飞机起落架噪声优化抑制仿真研究	李红丽,刘兴强,延浩(83)
基于红外技术的机载电路板故障诊断研究	王力,李硕,武会杰,曾佩佩(89)
混合坐标系下跟踪自由段弹道导弹的优化研究	赵崇丞,王君,白华珍(94)

能源领域仿真

风储联合发电系统建模与协调控制策略研究	李山,叶鹏,何森,胡耀宁(99)
卸荷器和储能的微电网并网功率协调控制策略	刘迎澍,王翠敏(105)
特高压直流与交流跨越空间环境电场预测研究	宋福根,林韩,兰生(109)
发电厂空冷机组负荷优化调度控制仿真	王欣峰,白建云,任淑萍(114)
微网中永磁风力发电系统稳定性控制仿真	张洋,王树文,马文川,单硕硕(118)
350MW超临界火电机组协调系统的模型辨识	陈宝林,李丹,韩璞,许鑫(123)
核电站主控室气流舒适性控制研究	张小灵,方堃,蒋彦龙,王合旭(128)
循环流化床锅炉J型返料阀机理建模与仿真	张悦,弭尚文,申晓光,王云龙(133)

交通体系与工具仿真

汽车急刹车操作制动控制器优化设计仿真	马一迪,赵小惠,刘俊俊,夏明月(137)
泡沫铝填充汽车前纵梁碰撞安全性仿真研究	杨昆,徐平(141)
电动汽车开关磁阻电机驱动控制仿真研究	陈青峰,袁宇浩,吕明琪(145)

信息仿真

数字水印图像加密优化保护版权仿真研究	梁丽香,唐林海,白维维(150)
关于大数据中用户信息安全保护优化仿真	张成军,刘超,郭强(154)

教学仿真

教学质量促进学习成绩评估建模仿真	邓蕾蕾,张献(158)
大学生教育中知识资源整合策略仿真研究	李士晓(162)
体操运动员平衡木平衡技能优化训练研究仿真	刘强(166)
虚拟现实在发电机检修培训系统设计中的应用	史耕金(170)

仿真应用研究

城市建筑中综合环保节能优化设计仿真	杜艳超,李明照(174)
桥式起重机桥架结构载荷强度优化设计研究	强宝民,吴侠,吴鹏,谭树胜(178)
装载机工作装置动力学仿真与试验研究	万一品,贾洁,宋绪丁(182)
参数修正的场路结合法仿真异步机起动性能	吴尧辉,张建强,刘思(188)

仿真网络化

互联网中混合入侵信息节点定位识别仿真	陈丁,赵军,吴春旺(195)
网络服务资源数据共享策略优化设计仿真	崔嘉(199)

云计算下非显著性特征数据实时挖掘方法仿真	党红恩,赵尔平,孙海霞(203)
微信平台中网络设备在线故障预测方法仿真	高东伟(207)
无线网络数据传输准确性管理仿真	郭 崇(211)
关于网络节点稳定性控制仿真研究	李道全,常来花,薛炜华,李 云(215)
云计算网络信息资源用户访问实时规划仿真	李江涛(219)
无线网络备份路径信号传输方法优化设计	刘 琳,王彩峰(223)
云计算环境下无线通信节点深度融合方法仿真	娄 红(227)
无线网络节点信号节能传输轨迹仿真	鲁 宁,夏克文,Nelofar Aslam,周 巧(231)
云计算通信网络阶段性入侵优化检测仿真	唐丽华(236)
计算机上对网络浏览证据准确提取仿真研究	王晓立(240)
无线局域网指纹匹配身份认证仿真研究	王运成(244)
物联网中物资传送实时性调度仿真	张 莹,李家军,王蒋凤(248)
移动无线传感网络通信信道异常攻击检测研究	张月芬,李红灵,李汉斌(252)
互联网数据资源中特征用户准确识别仿真	赵红丹,田喜平,于江德(256)
海洋水下无线传感网络资源准确探测仿真研究	钟新梅(260)
复杂网络中节点重要性综合评价方法研究	郭晓成,马润年,王 刚(264)
互联网安全性能优化评估数学建模仿真研究	李雪梅(269)
互联网信息资源用户获取优化推送仿真研究	崔艳萍,阎知知,王小巍,彭 媛(273)
移动网络对入侵信号有效防御优化设计研究	陈 坚(277)

仿真智能化

快速位移图像高阶累积量噪点检测技术	曹青媚,王雪莲(281)
城市高层阵列式建筑布局智能成像方法仿真	陈 丽(285)
用于 EBG 优化设计的基于粗网格的 KBNN	陈 艺,田雨波,强 哲,许 兰(289)
人脑 CT 病变区图像准确诊断仿真研究	丁穗娟(294)
大数据中电子商务需求信息资源提取仿真	廖 娟,阮运飞(298)
永磁同步电机位置跟踪系统控制仿真	刘 盼(302)
考虑静刚度多机器人联合吊运系统可行域分析	马 延,赵志刚,王砚麟,苏 程(307)
社会劳动力优化组合管理仿真研究	彭文治,黄 蕾(312)
压缩图像传输提取重构优化仿真研究	任 敏(316)
水下探测光场优化综合建模仿真	尚根锋,张 森,金 超,杨婷婷(320)
化工生产废水中 pH 值排放优化控制仿真	许漂漂,卜旭辉(326)
医学人体病理图像提取优化识别仿真	袁 晶,龚 敏(331)
基于 DNN 位点的选择和验证	张 艳,倪继锋,魏浩然,茅宏伟(335)
永磁同步电机高鲁棒性控制器设计研究	赵景波,张高强(339)
数控机械手换刀精度优化控制仿真	陈爱虎,罗生梅(345)
生物细胞培养环境温度控制仿真研究	杨松涛,郑敏信,齐铂金,宫慧琪(350)
铅球运动员投掷目标技术优化仿真	呼 德(355)

仿真虚拟化

三维动漫场景实时性漫游优化设计仿真	赵 辉(359)
航天员虚拟训练系统评估指标研究	刘 鹏,姜国华,刘玉庆(363)

仿真服务化

光谱图像中药成分含量检测仿真研究	包七十三(369)
深度网络结构在行人检测任务中的性能对比	常玲玲,马丙鹏,常 虹,丁志义(373)
海量医药资源中用户信息定位优化管理仿真	邓晶晶,周金海(378)
家庭看护视觉图像自动优化监控仿真研究	邓卫斌,李 月(382)
装备维修备件库存量优化控制仿真研究	戈洪宇,石 全,夏 伟(386)
云平台下实验室数据库资源负载优化控制仿真	郝静鹏(391)
钢铁企业物流库存资源调度优化管理	雷兆明,刘 畅,廖文皓,王东东(395)
云平台中国土资源信息存储检测仿真研究	栾绍鹏,侯西勇(400)
足球赛场运动视频图像目标检测仿真	聂永刚,但志平(404)
动态网格端口资源均衡调度模型仿真	史科蕾(408)
建筑园林三维测绘场景真实性建模仿真	唐封强,韩理光,张晓露,闫恩诚(412)
海面舰船目标检测优化算法仿真	王培元,周建军,王日胜,陈 杰(416)
气象预报中阴雨雾图像优化识别仿真	王 琦(422)
基于无人机图像的电力杆塔倾斜检测	王榆夫,韩 军,赵庆喜,王亚先(426)
网络中高速信息移动节点位置预测仿真	温斯琴(432)
大数据平台下数据库访问信息安全管理仿真	张 晶(436)
大型数据库中信息资源利用率优化管理仿真	刘 昆(441)
交互式网络资源分配均衡性监测仿真	全 宇(445)

CONTENTS

Effectiveness Designing of Suspended Bomb Based on Anti-missile Weapons Aiming at Preventing the Invaders	BAI Kai-lin,QIAN Jian-ping, et, al (1)
Modeling and Simulation of Underwater Motion for Unpowered Vehicle	GENG Bin-bin,XU Zhi-cheng, et, al (6)
Optimal Design and Simulation of the Strength of the Plastic Belt in the Missile Launcher	TANG Hong-chun,WANG Lu, et, al (10)
Design of ECM Simulation System for Search Radar of Anti-air Missile	WEI Bao-hua,LIU Peng, et, al (14)
Research on Assessment Methods of the Equipment Damaged by Fragments Based on Multi-Mode	WU Xiao-ying,ZHANG Zhi, et, al (18)
Influence Nets Based Course of Action Optimization under Combinational Constraints	ZHU Yan-guang, ZHANG Xin-yu, et, al (22)
The Study of Stability Optimization Depend on Four_Rotor Aircraft	DU Yong-xing,DENG Feng-feng, et, al (27)
Optimal Control Simulation of Electric Plane High-Power Pump and Valve Coordinated Actuation	GUO Chuang,YAO Bin, et, al (31)
Stability Control of Ultra-Low Altitude Airdrop in Wind Field Circumstances	LUO Dong-chao, WANG Wen-xing, et, al (39)
An Effective Planning and Simulation of the Flight Trajectory of Glide-missile to Avoid Threat Area	NIU Xiao-jie,SHU Jian-sheng, et, al (44)
Optimal Design on Cooling Channel of Scramjet Combustor	QIN Ang,ZHOU Zhang-wen, et, al (49)
Simulation of Thrust Optimization for Solid Rocket with Double Nozzle	WANG Ming-qing, WANG Hao (54)
Simulation and Optimization of Level Measurement in Spacecraft Fuel Tank	WANG Ying,YU Jing, et, al (58)
Hovering Optimization Control Method for Aircraft with Multiple Propellers	YU Ye-ping, ZHOU Ping-fang (63)
The Simulation of Real-Time High Precision Orbit Determination Control Based on Space-Borne GPS Navigation	ZHENG Yong-ai,ZHANG Wei, et, al (68)
Attitude Control for Quadrotor UAV with Prescribed Performance	CHANG Shao-ping,SHI Wu-xi, et, al (73)
Research on Adaptive Backstepping Fault-tolerant Control for quadrotor UAV	FAN Jia-ming,CHEN Yi-mei (79)
Simulation and Optimization Research of Aircraft Landing Gear's Noise Suppression	LI Hong-li,LIU Xing-qiang, et, al (83)
Research of Aviation Circuit Board Fault Diagnosis and Prediction Based on Infrared Technology	WANG Li,LI Shuo, et, al (89)
An Optimized Survey on the Tracking of Ballistic Missile at Free-Flight Phase in Mixed Coordinate System	ZHAO Chong-cheng,WANG Jun, et, al (94)
Research on Modeling and Coordinated Control Strategy of Wind and Energy Storage Combined Power Generation System	LI Shan,YE Peng, et, al (99)
Coordinated Control Strategy of Grid-Connected Power for the Micro-Grid System with Dump Load and Energy Storage	LIU Ying-shu,WANG Cui-min (105)
Research on Electric Field Prediction of UHV DC and AC Crossing Area	SONG Fu-gen,LIN Han, et, al (109)
Power Plant Air Cooling Unit Load Optimal Dispatch Control Simulation	WANG Xin-feng,BAI Jian-yun, et, al (114)
Control Simulation of Permanent Magnet Wind Power System Stability in Micro-Grid	ZHANG Yang,WANG Shu-wen, et, al (118)
Model Identification of 350MW Supercritical Thermal Power Unit Coordination System	CHEN Bao-lin, LI Dan, et, al (123)
Study on the Control of Airflow Comfort in Main Control Room of Nuclear Power Station	ZHANG Xiao-ling,FANG Kun, et, al (128)
Modeling and Simulation of a J-Valve for Circulating Fluidized Bed Boilers	ZHANG Yue,MI Shang-wen, et, al (133)
Optimal Design and Simulation of Brake Control for Automobile Emergency Brake	MA Yi-di, ZHAO Xiao-hui, et, al (137)
The Simulation Research on Crash Safety of Automobile Front Rails Filled with Foam Aluminum	YANG Kun,XU Ping (141)
Simulation Research on the Drive and Control of Switched Reluctance Motor for Electric Vehicles	CHEN Qing-feng,UAN Yu-hao, et, al (145)
Simulation of Double Digital Watermarking Algorithm for Color Image	LIANG Li-xiang,TANG Lin-hai, et, al (150)
Optimization of User Information Security Protection in Large Data	ZHANG Cheng-jun,LIU Chao, et, al (154)
Teaching Quality and Learning Achievement Evaluation Model Simulation	DENG Lei-lei ,ZHANG Xian (158)
A Study on the Strategy of integrating Knowledge Resources in College Students Education	LI Shi-xiao (162)
Research on the Optimization of Balance Beam Balance Skill Training of Gymnastics Players	LIU Qiang (166)
The Application of Virtual Reality in Generator Maintenance Training System Design	SHI Geng-jin (170)
Optimization Design and Simulation of Comprehensive Environmental Protection and Energy Saving in Urban Construction	DU Yan-chao, LI Ming-zhao (174)
Research on Load Strength Optimization Design of Bridge Structure in Bridge Crane	QIANG Bao-ming,WU Xia, et, al (178)
Study on Dynamic Simulation of the Loader Working Device in the Loading Operation	WAN Yi-pin,JIA Jie, et, al (182)
Simulation of Starting Performance of Asynchronous Machine Based on Parameter Modified Field-Circuit Combined Method	WU Yao-hui,ZHANG Jian-qiang, et, al (188)
Localization and Identification of Hybrid Intrusion Information Nodes in Internet	CHEN Ding,ZHAO Jun, et, al (195)
Network Service Resource Data Sharing Strategy Optimization Design Simulation	CUI Jia (199)
Real-Time Mining Method Simulation of Non-Significant Feature Data under Cloud Computing	DANG Hong-en,ZHAO Er-ping, et, al (203)
Online Fault Prediction and Simulation of Micro-Channel Platform for Network-Based Devices	GAO Dong-wei (207)
Wireless Network Data Transmission Accuracy Management Simulation	GUO Chong (211)
Simulation Study on Stability Control of Network Nodes	LI Dao-quan,CHANG Lai-hua, et, al (215)

Cloud Computing Network Information Resources User Access Real-Time Planning and Simulation	LI Jiang-tao (219)
Optimization Design of Wireless Network Transmission Path Signal Reconstruction Method	LIU lin,WANG Cai-feng (223)
Cloud Computing Environment Depth Fusion Method of Wireless Communication Nodes under the Simulation	LOU Hong (227)
Trajectory Simulation on Wireless Sensor Networks Node with Signal Energy Conservation Transmission	LU Ning, XIA ke-wen, et, al (231)
Cloud Computing Communication Network Phase Intrusion Detection Simulation	LI Hua-tang (236)
On the Computer to the Network Browsing Evidence Accurate Extraction Simulation Research	WANG Xiao-li (240)
Simulation of Fingerprint Matching Identity Authentication in Wireless Local Area Network	WANG Yun-cheng (244)
Real Time Scheduling of Material Delivery in Internet of Things	ZHANG Ying,LI Jia-jun, et, al (248)
Research on Detection of Abnormal Communication Channel in Mobile Wireless Sensor Networks	ZHANG Yue-fen,LI Hong-ling, et, al (252)
Accurate Identification of the Characteristics of the Internet Data Resources Users	ZHAO Hong-dan,TIAN Xi-ping, et, al (256)
Simulation Research on the Accurate Detection of Underwater Wireless Sensor Network Resources	ZHONG Xin-mei (260)
Research on Comprehensive Evaluation Method of Node Importance in Complex Network	GUO Xiao-cheng,MA Run-nian, et, al (264)
Study on Mathematical Modeling and Simulation of Internet Security Performance Optimization	LI Xue-mei (269)
Research on the Optimization of the Internet Information Resource Users to Obtain the Simulation	CUI Yan-ping,YAN Zhi-zhi, et, al (273)
Research on the Optimal Design of Intrusion Signal In Mobile Network	CHEN Jian (277)
Higher Order Cumulant Noise Detection Technology of Rapid Displacement Image	CAO Qing-meい,WANG Xue-lian (281)
Urban High-Rise Array Architecture Layout Simulation Intelligent Imaging Method	CHEN Li (285)
KBNN Based on Coarse-Mesh to Optimize the EBG Design	CHEN Yi,TIAN Yu-bo, et, al (289)
Simulation Study on Accurate Diagnosis of CT Lesions In Human Brain	DING Sui-juan (294)
Electronic Commerce Needs Information Resource Extraction Simulation in Big Data	LIAO Juan,RUAN Yun-fei (298)
Simulation on Position Tracking Control for Permanent Magnet Synchronous Motor	LIU Pan (302)
Analysis of Feasible Region on the Multi Robot Combined Lifting System by Considering the Static Stiffness	MA Yan,ZHAO Zhi-gang, et, al (307)
Research on the Simulation of the Optimization of Social Labor Force	PENG Wen-zhi,HUANG Lei (312)
Simulation Research on Optimization of Compression Image Transmission Extraction and Reconstruction	REN Min (316)
The Integrated Modeling and Simulation of Underwater Detection Light Fields Optimization	SHANG Gen-feng,ZHANG Sen, et, al (320)
The Optimization Control Simulation of pH of the Wastewater Discharge in Chemical Production	XU Piao-piao,BU Xu-hui (326)
Simulation of Optimization of Medical Human Pathology Image Extraction	YUAN Jing,GONG Xin (331)
SPN Selection and Validation Based on DNN	ZHANG Yan,NI Ji-feng, et, al (335)
Design and Research of High Robust Controller for Permanent Magnet Synchronous Motor	ZHAO Jing-bo,ZHANG Gao-qiang (339)
Optimal Control Simulation For a Certain Type of Numerical Control Manipulator On Precision Tool Change	CHEN Ai-hu,LUO Sheng-mei (345)
Simulation of Biological Cell Culture Environmental Temperature Control	YANG Song-tao,ZHENG Min-xin, et, al (350)
Athletes Throwing Optimization Target Technology	HU De (355)
Real Time Optimization Design Simulation of 3D Animation Scene	ZHAO Hui (359)
Research on Evaluation Metrics for Astronaut Virtual Training Systems	LIU Peng,JIANG Guo-hua, et, al (363)
Simulation Research for Spectral Image Chinese Native Medicine Ingredient Content Detection	BAO Qi-shisan (369)
Comparative Study on Deep Network Architectures in Pedestrian Detection Task	CHANG Ling-ling, MA Bing-peng, et, al (373)
Simulation and Optimization of User Information Location Management in Massive Medical Resources	DENG Jing-jing,ZHOU Jin-hai (378)
Simulation Study on Automatic Optimization of Visual Image in Family Nursing	DENG Wei-bin,LI Yue (382)
Research on Simulation of Inventory Optimization Control of Equipment Maintenance Spare Parts	GE Hong-yu, SHI Quan, et, al (386)
Simulation of Load Optimal Control of Laboratory Database Resources under Cloud Platform	HAO Jing-peng (391)
Optimal Management for Iron and Steel Enterprise Logistics Inventory Resources Scheduling	LEI Zhao-ming, LIU Chang, et, al (395)
Based on the Cloud Platform of Land and Resources Data Distributed Storage Simulation	LUAN Shao-peng,HOU Xi-yong (400)
Simulation of Target Detection in Soccer Video	NIE Yong-ping,DAN Zhi-ping (404)
Dynamic Simulation Grid Port Resource Balanced Scheduling Model	SHI Ke-lei (408)
Realistic Modeling and Simulation of 3D Scene of Architectural Landscape	TANG Feng-qiang,HAN Li-guang, et, al (412)
The Simulations of an Optimal Algorithm for Sea Surface Ship Targets Detection	WANG Pei-yuan,ZHOU Jian-jun, et, al (416)
Simulation and Optimization of Rain Fog Image in Weather Forecast	WANG Qi (422)
The method of Power Transmission Tower Inclination Detection Based on UAV Image	WANG Yu-fu,HAN Jun, et, al (426)
Simulation of Location Prediction of High Speed Mobile Node in Network	WEN Si-qin (432)
Simulation of Database Access Information Security Management under Big Data Platform	ZHANG Jing (436)
Optimal Management of Information Resource Utilization in Large Databases	LIU Kun (441)
Interactive Network Resource Allocation Balanced Monitoring Simulation	QUAN Yu (445)

计算机仿真

COMPUTER SIMULATION

JANUARY						
M	T	W	T	F	S	S
				1		
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

FEBRUARY						
M	T	W	T	F	S	S
			1	2	3	4
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					

MARCH						
M	T	W	T	F	S	S
			1	2	3	4
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

APRIL						
M	T	W	T	F	S	S
			1	2		
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

MAY						
M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

JUNE						
M	T	W	T	F	S	S
		1	2	3	4	
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

JULY						
M	T	W	T	F	S	S
		1	2			
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

AUGUST						
M	T	W	T	F	S	S
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

SEPTEMBER						
M	T	W	T	F	S	S
	1	2	3			
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

OCTOBER						
M	T	W	T	F	S	S
		1				
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

NOVEMBER						
M	T	W	T	F	S	S
	1	2	3	4	5	
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

DECEMBER						
M	T	W	T	F	S	S
	1	2	3			
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

2017 CALENDAR

联系电话: 010-59475138

地 址: 北京市阜成路 14 号

邮 政 编 码: 100048

网 址: www.jsjfz.com

官 网 投 稿: compusimu.gnway.cc