

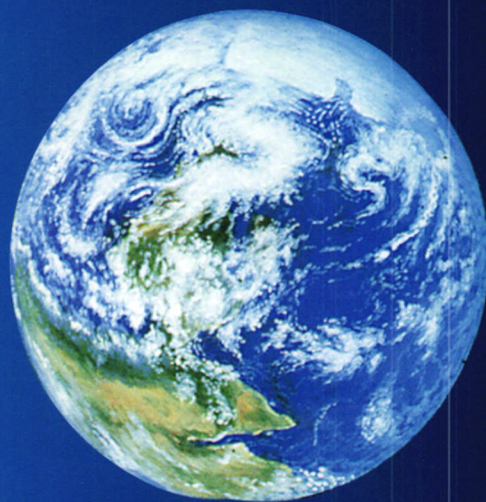


中文核心期刊
中国计算机用户协会会刊

ISSN 1006-9348

计算机仿真

COMPUTER SIMULATION



ISSN 1006-9348



04 >

万方数据

4
2013

目次

军事领域仿真

- 通信台站覆盖预测及三维显示 殷昌盛, 张旭, 熊辉(1)
- 基于NOFRF的脉冲式雷达快速故障诊断方法 韩海涛, 马红光, 谭力宁, 李占良(5)
- 某型车载遥控武器站火控系统精度仿真分析 刘正, 刘斌胜(9)
- 混合联邦-粒子滤波在组合导航系统中的应用 李天伟, 孙少杰, 彭伟骅, 郭姣(13)
- 军队火药静电爆炸风险评估模型的研究与仿真 路标(17)

航空航天领域仿真

- 航空旋板泵结构多约束优化设计 李华聪, 李耀, 符江锋, 韩小宝(21)
- 在轨航天器快速转移区域仿真研究 王伟林, 高晓升, 梁彦刚(25)
- 高超声速二维钝楔激波快速计算方法 李建林, 程兴华, 杨涛(29)
- 不同制导信息带落角约束末制导律设计 刘琦, 杨军(33)
- PF-EHF算法在惯导非线性初始对准中的应用 李桂芳, 陶诚, 宫淑丽, 黄圣国(37)
- 飞机全电刹车系统性能分析 冀美珊, 魏小辉, 张明, 聂青(41)
- 无人机航路自动规划优化方法研究与仿真 华珊珊(45)
- 一种固定翼飞机飞行仿真动力学组件的开发 刘春, 曹硕, 王志超(49)
- 地面星模拟器设计与实现 赵小方, 刘光斌, 姚志诚, 刘朝山(54)
- 飞机三级发电机的建模与仿真 王薛洲, 张晓斌, 潘荻(59)
- 模糊自整定PID的航空发动机转速控制研究 乔伯真, 濮林峰(63)
- 运动威胁环境中航迹规划方法研究 王振宇, 冯琦, 张堃(68)
- 飞机飞行状态下燃油惯性特性计算方法研究 刘志杰, 杨福增, 苏三买(72)
- 基于自抗扰控制的全数字电动舵机设计 周林阳, 王生捷(77)
- 捷联式惯性导航仿真研究 谢木生, 王恒升, 罗涛(84)
- 多普勒雷达安装偏差及测速精度的估计与补偿 吴秀萍, 葛红娟, 倪建丽, 盛守照(89)
- 巡航导弹智能自主在线目标识别选择问题研究 房茂燕, 汪民乐, 毕义明(93)
- 多传感器月面障碍模糊识别方法 姜肖楠, 韩诚山, 李祥之(97)
- 一种基于视频图像技术的跑道侵入检测方法 陈文, 曹力, 黄圣国(103)
- 机载雷达杂波抑制优化与性能分析 刘小洋, 李勇, 李瑞克(108)
- 飞机抗辐射干扰技术的研究仿真 李文攀(112)
- 一种典型翼型在湍流模型中的数值仿真分析 尹翔, 冯金富, 张俊祥(116)
- 某型飞行器的运动模型建立及仿真 段雪松, 车梦虎(120)

能源领域仿真

- 改善谐波影响的电子调压电路设计与仿真分析 何华斌(125)
- 新型海洋摆动发电系统设计 罗凯, 黄闯, 李旺, 肖锐钢(129)
- 风电并网引起的电能质量扰动滤波方法研究 佟亮, 齐迹, 迟生茂, 沙丽娟(133)
- 三相-单相矩阵变换器输入电流相角补偿控制 闫凯, 葛红娟, 李后春, 张文彬(137)
- 多属性加权组合电力负荷测量模型研究与仿真 崔丹丹(142)
- 谐振式混合型有源滤波器注入支路的仿真分析 李刚, 樊晓平, 彭劲杰(146)

交通体系与工具仿真

- 航行船舶的运动估计在海浪预报中的应用研究 葛磊(152)
- 基于粒子群算法的汽车悬架PID控制仿真 孟杰, 陈庆樟, 张凯(155)
- 基于模糊网络的防追尾控制器 郭海如, 李志敏, 徐翠琴(159)
- 列车运行与牵引供电耦合仿真研究 李金健, 林轩, 李跃宗, 崔恒斌(163)
- 基于机动转弯目标的自适应交互式多模型算法 王硕, 刘丽(169)
- 粘弹性沥青路面车辆动力响应仿真分析研究 曹卫锋, 吕彭民(173)
- 高速公路交通量组合预测模型研究 钱超, 许宏科, 徐娜(178)

信息仿真

- 一种基于分簇的新型组播网络 卢玲, 王钺, 王剑, 袁坚(183)
- 多传感器目标状态与动态偏差联合估计算法 付莹, 汤子跃, 孙永健(188)
- 基于动态命令树算法的路由器仿真软件设计 姚敦红, 石元东(194)
- 基于压缩感知的局部场电位信号重构算法研究 王真, 郑旭媛, 马东泉(200)
- 混合无线传感器网络节点覆盖优化 王霞, 陈洁(204)
- 井下救援人员定位中的信号抗干扰技术研究 胡平, 鞠捷(208)

教学仿真

数值计算原理的仿真实现 王成程,赵丁选(212)

社会科学领域仿真

证券交易风险分析评估挖掘方法研究与仿真 陈海英(217)

基于个税政策影响的仿真研究 李 丁,张 艳,付 允(220)

基于 ISM 的山东半岛蓝色经济制约因素分析 陈焕珍(225)

仿真应用研究

基于仿真分析的抽油烟机优化设计 付炜嘉,李 杰,王豪杰(229)

数据含期望信号的重构稳健波束形成 杜梓冰,王 露,杨坤德(234)

板料在单拉及双拉受力状态下的仿真及分析 罗向前,张 轶,王 辉(238)

扇形沟槽表面节流静压气体轴承的性能分析 李运堂,蔺应晓,朱红霞(243)

复合材料与金属接头胶接建模精度研究 牛一虹,刘 波,韩雪峰,贾宏光(248)

新型导流式旋流分离器的数学模型及仿真 漆 磊,宛西原(253)

有限转角直流无刷电机的建模与实现 苏 宇,张 涛,王相阳,王金波(257)

施工升降机点式定位关键技术研究 苏艳革(262)

导航载体涡流磁场特性仿真研究 李 季,陈棟湘,潘孟春,罗飞路(266)

仿真方法与算法

多项式函数的泛函网络构造与逼近算法 郭德龙,夏慧明,周永权(270)

基于改进量子遗传算法的聚类算法 叶安新,邓大勇(275)

仿真软件

一种基于任务区分的仿真资源调度策略研究 张 强,林华令,周培毅,宋江杰(279)

湖库水质监测与分析智能仪表设计与开发 马新宇,王小艺,许继平,盛 璐(283)

仿真网络化

网络计算中任务调度防冲突算法的研究仿真 赵冬玲,白香芳(287)

高精度传感器信息采集中的误差消除算法仿真 纪乃华,王颖洁,姚惠萍(291)

仿真智能化

六自由度点焊机器人平顺轨迹仿真研究 勾治践,解艳超,牛永康,王 成(295)

洪水逃生最优路线决策方法研究与仿真 左啸冰,刘金刚(299)

涡旋型齿面轮廓度误差算法设计与仿真 胡璐华,王 轮,刘国平,郭晓劲(303)

异步电机矢量控制系统性能优化及仿真分析 刘 灿,丁学明,唐 柱(308)

一种组合粒子群和差分进化的多目标优化算法 陶新民,徐 鹏,刘福荣,张冬雪(313)

基于集合卡尔曼滤波的非线性目标跟踪算法 崔 波,张家树,杨 宇(317)

基于量子遗传算法的蚁群多目标优化研究 张 澎,王鲁达,胡 丹(322)

新的可拓模式分类器研究 管凤旭,王科俊,姜 倩(326)

装备保障训练评估方法及仿真分析 崔凯旋,张 成,石 全(331)

全桥式 DC/AC/DC 变换器的建模与仿真 皇金锋(336)

水中机器鱼仿真系统中的伪 3D 绘制 陈 晓,李淑琴,谢广明(339)

细菌觅食优化算法的研究与改进 李 珺,党建武,卜 锋(344)

基于云模型融入定性信息的定量仿真方法 王洪利(348)

基于矢量控制的双电机硬联结负载功率平衡 毕如林,褚建新,张兆恒(353)

基于神经网络控制的直流调速系统仿真与分析 陈 冲,胡国文(356)

青霉素发酵过程的模型辨识及仿真研究 韩 芳,王新香,王爱民(361)

云环境中改进模糊聚类的资源聚合 王溢琴,秦振吉(365)

室内残留甲醛气体污染检测技术研究与仿真 李晓丽,陈锦花(369)

基于 Oracle 罚方法的混合约束差分进化算法 董明刚,程小辉,牛秦洲,叶汉民(373)

基于蚁群算法特征选择的语音情感识别 杨鸿章(377)

一种声纹美尔频率倒谱系数干扰消除算法研究 蒋琳琼,贺建懿(382)

基于大云数据快速挖掘过程的研究与仿真 黄 华(386)

直流电动机调速控制系统的仿真研究 刘 征(390)

混沌理论和神经网络的农业经济预测仿真研究 蒋夕平,吴凤凰(394)

小区域 GPS 短距离定位优化仿真 程 杰,赵 卓(398)

仿真虚拟化

融合空时显著性的运动目标检测方法 于 明,闫必行,阎 刚,于 洋(402)

基于混沌和 SVD 的数字视频水印算法 许铁鑫,蒋 华(406)

烧蚀条件下 C/C 复合材料温度场的数值分析 杨德军,李旭东(411)

缺陷表面温度场的红外无损检测分析 郑恩辉,曹文浩,富雅琼,陈 乐(416)

抗共谋攻击的视频水印方案 李 静(421)

高压承载下的桥梁挠度形变检测方法仿真研究 常文萃(426)

虚拟航空视野中的障碍干扰消除算法仿真 马晓璐,赵 哲(430)

仿真服务化

多目标多约束应急物资调度优化的仿真研究 吴 波(435)

CONTENTS

Coverage Prediction of Communication Station and 3 - D Display	YIN Chang - sheng,ZHANG Xu,et, al (1)
Fast Fault Diagnosis Method of Pulse Radar Based on Nonlinear Output Frequency Response Function Model	HAN Hai - tao,MA Hong - guang,et, al (5)
Simulation on Precision Analysis of Fire Control System of Certain Vehicle Remote Control Weapon Station	LIU Zheng,LIU Bin - sheng (9)
Mixture Federated - Particle Filter and its Application on Integrated Navigation System	LI Tian - wei,SUN Shao - jie,et, al (13)
Army Powder Electrostatic Explosion Risk Assessment Model Research and Simulation	LU Biao (17)
Optimization Design of Structures Subjected to Multiple Constraints in Aviation Vane Pump	LI Hua - cong,LI Yao,et, al (21)
Numerical Simulation of Fast - Transfer Area for On - Orbit Spacecraft	WANG Wei - lin,GAO Xiao - sheng,et, al (25)
Rapid Calculate Method for Shock of Hypersonic 2 - D Blunt Wedge	CHENG Xing - hua, LI Jian - lin,et, al (29)
Different Guidance Information with Terminal Guidance Law Design of the Angular Constraints	LIU Qi,YANG Jun (33)
Application of PH - EHF in INS Non - linear Alignment	LI Gui - fang,TAO Cheng,et, al (37)
Performance Analysis of Aircraft Electric Braking System	JI Mei - shan,WEI Xiao - hui,et, al (41)
Research and Simulation of Uav Route Planning Optimization Method	HUA Shan - shan (45)
Development of ATL Component for Dynamics Calculation of Fixed - wing Aircraft in Flight Simulation	LIU Chun,CAO Shuo,et, al (49)
Algorithm Design and Implementation of Ground Star Simulator	ZHAO Xiao - fang,LIU Guang - bin,et, al (54)
Modeling and Simulation of Aircraft Three - stage Synchronous Generator	WANG Xue - zhou,ZHANG Xiao - bin,et, al (59)
Rotating Speed Control for Aero - engine Based on Fuzzy Self - tuning PID Controller	QIAO Bo - zhen,GOU Lin - feng (63)
Research on Path Planning Method under Moving Threat Environment	WANG Zhen - yu,FENG Qi,et, al (68)
Research on Aircraft Fuel Mass Property Calculations in the Flight Status	LIU Zhi - jie,YANG Fu - zeng,et, al (72)
Full Digital Electromechanical Actuator Design Based on ADRC	ZHOU Lin - yang,WANG Sheng - jie (77)
Strap - Down Inertial Navigation Simulation Research	XIE Mu - sheng,WANG Heng - sheng,et, al (84)
Compensation and Estimation of Installation Drift and Velocity Accuracy for Doppler Radar	WU Xiu - ping,GE Hong - juan,et, al (89)
Study on Cruise Missile Intelligent Self - Distinguish Attacking Target on Route Based on Similar Compete Neural Network (SCNN)	FANG Mao - yan,WANG Min - le,et, al (93)
Multi - Sensor Based lunar Surface Hazards Fuzzy Detecting Method	JIANG Xiao - nan,HAN Cheng - shan,et, al (97)
Detection Method of Runway Incursion Based on Video	CHEN Wen,CAO Li,et, al (103)
Clutter Suppression Optimize and Performance Analysis of Airborne Radar Clutter	LIU Xiao - yang,LI Yong,et, al (108)
Simulation of Anti - Radiation Interference Technology of Plane	LI Wen - pan (112)
Numerical Simulation Analysis of Typical Profile in Turbulence Model	YIN Xiang,FEN Jin - fu,et, al (116)
Motion Modeling and Simulation of Fight Vehicle	DUAN Xue - song,CHE Meng - hu (120)
Design and Simulation of Electronic Regulating Circuit for Improving Harmonics Influence	HE Hua - bin (125)
Design of Novel Oceanic Oscillating Power Generation System	LUO Kai,HUANG Chuang,et, al (129)
Study on Filtering Method of Power Quality Disturbance for Wind Power Grid	TONG Liang,QI Ji,et, al (133)
Control of Three - phase to Single - phase Matrix Converter's Input Current Angle Compensation	YAN Kai,GE Hong - juan,et, al (137)
Research on Combined weighted forecast of multi - attribute of Electric Power Systems	CUI Dan - dan (142)
Design and Simulation of Injection Branch of Resonance Hybrid Active Filter	LI Gang,FAN Xiao - ping,et, al (146)
Research on Sailing Ship Motion Estimation in Application of Ocean Wave Forecast	GE Lei (152)
Simulation of PID Control for Vehicle Suspension Based on PSO Algorithm	MENG Jie,CHEN Qing - zhang,et, al (155)
Controller for Automobile's Rear - end Anti - collision Based on Fuzzy Network	GUO Hai - ru,LI Zhi - min,et, al (159)
Coupled Simulation of Traction Power Supply System and Train Running Based on HLA	LI Jin - jian,LIN Xuan,et, al (163)
Adaptive Interacting Multiple Model Algorithm Based on Turn Maneuver Targets	WANG Shuo,LIU Li (169)
Research on Simulation Analysis of Dynamic Response in Viscoelastic Asphalt Pavement under Moving Vehicle Loads	CAO Wei - feng,LV Peng - min (173)
Research on Combinational Prediction Model for Expressway Traffic Volume	QIAN Chao,XU Hong - ke,et, al (178)
New Multicasting Network Based on Nodes Clustering	LU Ling,WANG Yue,et, al (183)
Joint Multi - sensor Target State and Dynamic Bias Estimation Algorithm	FU Ying,TANG Zi - yue,et, al (188)
Design of Router Simulation Software Based on Dynamic Command Tree Algorithm	YAO Dun - hong,SHI Yuan - quan (194)
Research on Reconstruction Algorithm of Local Field Potential Based on Compressed Sensing	WANG Zhen,ZHENG Xu - yuan,et, al (200)
Wireless Sensor Network Node Cover Iterative	WANG Xia,CHEN Jie (204)
Signal Anti - Jamming Technology Research in the Downhole Rescue Personnel Positioning	HU Ping,JU Jie (208)
Simulation Implementation of Principle of Numerical Calculation	WANG Cheng - cheng,ZHAO Ding - xuan (212)
Research and Simulation of Securities and Exchange Risk Analysis Evaluation Method	HAI Ying - chen (217)
Policy Modeling of Personal Tax impact	LI Ding,ZHANG Yan,et, al (220)
Limiting Factors Analysis of Blue Economic of Shandong Peninsula Based on Interpretative Structural Model	CHEN Huan - zhen (225)
Optimization Design of Kitchen Hood System Based on Simulation Analysis	FU Wei - jia,LI jie,et, al (229)

Signal Reconstruction Robust Beamforming Method via Presence of Desired Signal in Training Data	DU Zi - bing, WANG Lu, et, al (234)
Simulation and Analysis of Sheet Metal in Uniaxial Tensile and Biaxial Tensile Condition	LUO Xiang - qian, ZHANG Yi, et, al (238)
Performances Analysis of Aerostatic Bearing Restricted by Fan - shaped Surface Restrictor	LI Yun - tang, LIN Ying - xiao, et, al (243)
Study on Modeling Precision of Composite and Metal Adhesive Joints	NIU Yi - hong, LIU Bo, et, al (248)
Mathematical Model and Simulation of New Type of Solid - Liquid Hydrocyclone	QI Lei, WAN Xi - yuan (253)
Modeling and Implementation of Limited Angle Brushless DC Motor	SU Yu, ZHANG Tao, et, al (257)
Point Positioning Key Technology Research for the Construction Lifter	SU Yan - ping (262)
Study on Eddy Current Magnetic Field of Navigation Vehicle Based on Finite Element Method	LI Ji, CHEN Di - xiang, et, al (266)
Structure and Approximation Algorithm of Functional Network of Polynomial Function	GUO De - long, XIA Hui - ming, et, al (270)
Clustering Algorithm Based on Improved Quantum Genetic Algorithm	YE An - xin, DENG Da - yong (275)
Research on Self - adapted Scheduling Policy Ways for Supercomputer Simulation Resource Based on Task Differentiation	ZHANG Qiang, LIN Hua - ling, et, al (279)
Design and Development on Intelligent Meter of Water Quality Monitoring and Analysis	MA Xin - yu, WANG Xiao - yi, et, al (283)
In Network Computing Task Scheduling Anti - Collision Algorithm Simulation Research	ZHAO Dong - ling, BAI Xiang - fang (287)
Error Elimination Algorithm Simulation of High Precision Sensor Information Acquisition	JI Nai - hua, WANG Ying - jie, et, al (291)
Smooth Trajectory Simulation Research for Six - DOF Spot - Welding Robot	GOU Zhi - jian, XIE Yan - chao, et, al (295)
Research and Simulation of Flood Escape Routes Decision - Making Method	ZUO Xiao - bing, LIU Jin - gang (299)
Design and Simulation of Scroll - type Surface Profile Error High - Precision Algorithm	HU Rong - hua, WANG Lun, et, al (303)
Optimization and Simulation Analysis of AC Motor Vector Control System Performance	LIU Can, DING Xue - ming, et, al (308)
Multi - objective Optimization Algorithm Composed of Particle Swarm Optimization and Differential Evolution	TAO Xin - min, XU Peng, et, al (313)
Nonlinear Target Tracking Algorithm Based on Ensemble Kalman Filter	CUI Bo, ZHANG Jia - shu, et, al (317)
Research on Ant Colony Algorithm Based on Quantum Genetic Algorithm for Multi - objective Knapsack Problem	ZHANG Peng, WANG Lu - da, et, al (322)
Study on New Extension Pattern Classifiers	GUAN Feng - xu, WANG Ke - jun, et, al (326)
Evaluation Method and Simulation Analysis for Equipment Support Training	CUI Kai - xuan, ZHANG Cheng, et, al (331)
Modeling and Simulation of Full - bridge DC/AC/DC converter	Huang jin - feng (336)
Pseudo - 3D Drawing of Robotic Fishes on 2D Simulation System for Underwater Bionic Robots	CHEN Xiao, LI Shu - qin, et, al (339)
Research and Improvement of Bacteria Foraging Optimization Algorithm	LI Jun, DANG Jian - wu, et, al (344)
Quantitative Simulation Method Fusing Qualitative Information Based on Cloud Model	WANG Hong - li (348)
Power Balance of Rigidly - Connected Double Motors Based on Vector Control	BI Ru - lin, CHU Jian - xin, et, al (353)
Simulation and Analysis of DC Speed - regulating System Based on Neural Network Control	CHEN Chong, HU Guo - wen (356)
Research on Simulation and Modeling on Penicillin Fermentation Process	HAN Fang, WANG Xin - xiang, et, al (361)
Resources Polymerization Based on Improved Fuzzy Clustering in Cloud Environment	WANG Yi - qin, QIN Zhen - ji (365)
Detection and Simulation of Indoor Residual Formaldehyde Gas Pollution	LI Xiao - li, CHEN Jin - hua (369)
Oracle Penalty Method - Based Hybrid Constrained Differential Evolution Algorithm	DONG Ming - gang, CHENG Xiao - hui, et, al (373)
Feature Selection of Speech Emotional Recognition Based on Ant Colony Optimization Algorithm	YANG Hong - zhang (377)
Interference Elimination Algorithms of Voiceprint Meyer Frequency Cepstrum Coefficient	JIANG Lin - qiong, HE Jian - biao (382)
Fast Data Mining Process Based on Large Cloud Research Simulation	Huang Hua (386)
Simulation on DC Speed System Based on Support Vector Machine and PID	LIU Zheng (390)
Study on Farming Economic Forecasting Algorithm Based on Chaotic Theory and Neural Network	JIANG Xi - ping, WU Feng - huang (394)
Optimization Simulation Analysis of GPS Short Range Positioning in Small Area	CHENG Jie, ZHAO Zhuo (398)
Moving Target Detection Method with Fusion of Spatial and Temporal Saliency	YU Ming, YAN Bi - xing, et, al (402)
Digital Video Watermark Algorithm Based on Chaos and SVD	XU Tie - xin, JIANG Hua (406)
Numerical Simulation of Temperature Field of Carbon/Carbon Composite Materials under Ablation Conditions	YANG De - jun, LI Xu - dong (411)
Analysis of Temperature field on Near Surface Defect in Infrared Nondestructive Testing	ZHENG En - hui, CAO Wen - hao, et, al (416)
Video Watermark Scheme for Resisting Collusion Attacks	LI Jing (421)
Detection Method Simulation Research on Bridge Deflection Deformation of High Pressure Bearing	CHANG Wen - cui (426)
Disorder Interference Elimination Algorithm Simulation of Virtual Aviation Vision	MA Xiao - jun, ZHAO Zhe (430)
Research on Emergency Materials Dispatching Based on Chaotic Particle Swarm Optimization Algorithm	WU Bo (435)