

Thirteenth Chinese Conference on System Simulation Technology & Application

(SSTA 2011)

**Huangshan, China
3 - 7 August 2011**

Volume 1 of 2

Editors:

Zonghai Chen

Tianyuan Xiao

ISBN: 978-1-62993-385-6

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2011) by the Scientific Research Publishing Inc.
All rights reserved.

Printed by Curran Associates, Inc. (2014)

For permission requests, please contact the Scientific Research Publishing Inc.
at the address below.

Scientific Research Publishing Inc.
P.O. Box 54821
Irvine, CA 92619-4821

Phone: (408) 329-4591

bookorder@scirp.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

Contents

Part 1 Keynote Speeches

Architecture of Collaborative Simulation Runtime Infrastructure under Heterogeneous Environment <i>Wenhui FAN, Tianyuan XIAO</i>	(1)
Visual Intelligence Simulation Based Perception Technology <i>Zonghai CHEN, Mingqing ZHU, Yuzhou ZHAO, Mingwei GUO, Jian WANG</i>	(6)
Research on 3D Simulation System for Battlefield Situation <i>Lianxing JIA, Lin WANG, Shigang HAN</i>	(17)
Analytic Hierarchy Process Based Performance Evaluation for Flight Trajectories <i>Yuanli CAI, Qian WEI, Qiang ZHI</i>	(23)
Robust Scheduling for Single Machine with Rush Orders <i>Xianchao ZHANG, Hong ZHOU</i>	(28)

Part 2 Modeling and Simulation Method

Research on Generation Method of Multi-Resolution Model Based on Component <i>Shujie LI, Pengyu WU, Zonghai CHEN, Xiaodiao HUANG</i>	(33)
Research of Determinant Arithmetic of Point in Quadrangle and Its Application in Simulation <i>Changwei ZHENG, Qing XUE, Pinggang YU, Xiaoming REN</i>	(39)
Numerical Simulation Technique and Applications of Space Debris Hypervelocity Impact <i>Yiyong LI, Huairong SHEN, Weijie WANG</i>	(44)
Research of Driver Behavior Modeling Based on Subsumption <i>Qing XUE, Xiaoming REN, Changwei ZHENG, Wenbin ZHOU</i>	(48)
Ocean Wave Geometry Modeling Method Based On Wave Spectrum Theory <i>Xuelong HOU, Junming XU, Zongjie WANG</i>	(53)
Research of Granule Model of Environmental Information in MOUT Simulation <i>Qing XUE, Wenchao XU, Changwei ZHENG, Yonghong LIU</i>	(58)
CFD Based Simulation of Longitudinal Flight Linear Displacement Response of Virtual Flight Testing in Wind Tunnel <i>Yang TAO, Xingya DA, Zhongliang ZHAO, Zhaolin FAN</i>	(61)
The Designing and Simulating of a Comb Line Band-Pass Filter <i>Xiaoping XU</i>	(66)
Topology Model of Space Information Support Power System Based on the Complex Networks <i>Zhenxin LIU, Xiaohong YU, Qing YANG</i>	(70)
Study on the Simulation of Vien Bridge Sine Wave Generator Based on EWB <i>Huanyin ZHOU, Zongliang FANG, Lingzan ZHU, Guizhen MA, Guohua MA</i>	(75)
Numerical Integration of Multibody Motion Equations Based on Generalized- α Method <i>Xiuteng MA, Yanbo ZHAI, Shuqiang LUO</i>	(79)
Simulation Study and Performance Evaluation of Blind Signal Separation Algorithm <i>Biao WU, Wei ZHAO, Bin ZHAO</i>	(84)
Evaluation Operators Based Weapon System Effective Flexible Evaluation Modeling Method <i>Meiqing LIN, Yuliang GAO, Chengxiang WENG, Ming XU</i>	(89)
Fault Modeling for the System of Traction Power Supply	

<i>Yuanliang HUANG, Huaping SHAO, Qingquan QIAN, Linyi ZHANG</i>	(95)
Creating Dual-Color LED Dot-Matrix Module Simulation Model for Proteus	
<i>Lingbin ZHOU, Kaijie REN</i>	(100)
Analysis of Virtual Visual Perception Factor Based on Bounded Rationality	
<i>Qing XUE, Wenchao XU, Changwei ZHENG, Yonghong LIU</i>	(105)
Research on Simulation Method of Turbine Flux Characteristic	
<i>Haicheng WU, Wei TANG, Shengli CHEN, Bing CAI</i>	(108)
Network Construction Analyses in the Network Centric Warfare Based on Small World Model	
<i>Qing YANG, Xiaohong YU, Zhenxin LIU</i>	(112)
Study on Flow Field Characteristics of Airbag Deploying Process	
<i>Sheng ZHANG, Han CHENG, Xiong LIU, Li YU</i>	(116)
Modeling and Simulation of Rain Clutter for Tethered Aerostat Borne Bistatic Radar	
<i>Lixiao ZHAN, Ziyue TANG, Zhenbo ZHU, Yuanpeng ZHANG</i>	(121)
Research on Wigner Transform Based on Adaptive Kernel Function	
<i>Wenming SHI, Hai ZHU, Xiaodong YANG</i>	(126)
Target Motion Analysis Simulation for Nondirectional Active Sonobuoy	
<i>Juwei LI, Mingtai SUN, Lihui ZHOU</i>	(130)
Simulation of Frequency Allocation for Battlefield FH Network Based on Genetic-Annealing Algorithm	
<i>Lipeng XING, Xu HU, Chenhui LI, Wei YU, Shili CHU</i>	(135)
Simulation Study on the Perforation Damage of the Thin Plate in Hypervelocity Impact	
<i>Weijie WANG, Huairong SHEN, Yiyong LI</i>	(140)
The Research of Combat Agent Based Command Cooperation Model	
<i>Qing XUE, Qing DENG, Huibo GAO</i>	(145)
Graphic Modeling and Simulation of Marine Condenser System Based on Modelica	
<i>Guoqing ZHU, Gang CHENG, Fengrui SUN</i>	(150)
Functional Safety Analysis and Modeling Approach Research	
<i>Fei YAN, Xianqiong ZHAO, Tao TANG</i>	(155)
The Study on Modeling Method of Agent	
<i>Jianping WANG, Shiyong TIAN, Wei YE</i>	(161)
An Ontology Modeling Method of C2 Organization Based on ePCANS	
<i>Guomin PAN, Gangqiang LI, Xuan QIU</i>	(164)
System Dynamics Modeling of United Replenishment for Aeroplane Carrier Formation	
<i>Kuizhi YUE, Wei HAN, Tieying ZHANG, Jianguo SHI</i>	(170)
Modeling and Angle Measuring Simulation of Sum-Difference Patterns of Amplitude Mono-Pulse Radar	
<i>Yang CHEN, Jinwen ZHANG, Hongda YAO</i>	(177)
The Development of Atmosphere Environment Federation for System-Systems Combat Simulation	
<i>Hua HUANG, Chunli GU, Hancheng LU, Youping XU</i>	(183)
Description and Research of Troop System in Virtual Space	
<i>Shuying DONG, Tianyuan XIAO, Shuai WANG</i>	(189)
Effect Based Information Fusion Modeling and Simulation	
<i>Yu WANG, Feng XU, Shaoqing CHEN, Lingling LI, Kun Li, Fei GAO</i>	(195)
Expanded Target Motion Modeling for Wideband Radar	
<i>Xin GUO, Qiang ZHANG</i>	(198)
Responsive Space Military Mission Process Modeling Based on WF-net	
<i>Haibo ZHANG, Ming SU, Jianwei SHI</i>	(202)
Test & Launch Process Modeling and Simulation Based on HTCPN	
<i>Jianwei SHI, Yuanwen CAI, Xiaoyang CUI</i>	(208)
A Weather Extension Simulation Model Design Based on HLA	

<i>Shujiang ZHANG, Guochun ZHANG</i>	(215)
Modeling and Analysis of Aerospace Automatic Test System Software Architecture Based on UML	
<i>Jiang TONG, Yuanwen CAI</i>	(219)
Research on Multi-Resolution Modeling for Encryption Device Based on Aggregation and Disaggregation	
<i>Hongshan KONG, Mingqing ZHANG, Jun TANG</i>	(223)
The Research on Modeling & Simulation of Joint Operation Based on SOA	
<i>Zhanguang CAO</i>	(227)
Research and Application of Propagation Loss Prediction in VHF	
<i>Haotong WANG, Weiming LI, Wei FANG, Yu MA</i>	(231)
Study on Mechanics Characteristic of Optics Window in Wind Tunnel	
<i>Luqiang BAO, Wanhua CHEN, Zhenhua CHEN, Zhijun XIE</i>	(237)
Warship Air-Defense CGF Modeling Based on Immune Multi-Agent	
<i>Jianhua CHEN, Gangqiang LI, Tiaoping FU</i>	(242)
Study of Complicated Radar Signal Environment in Equivalent RF Simulation	
<i>Hao HU, Li WANG, Hongda YAO, Weiliang LI, Tingting LI</i>	(247)
An Agent-Based Cognitive Networks Node Model	
<i>Chunrong GAO, Kerong BEN</i>	(250)
Monte Carlo Simulation of Quantum Measurement Plus Unitary Control	
<i>Wenfeng LIU, Chenbin ZHANG, Zonghai CHEN</i>	(256)
Reconnoitering Simulation of Unmanned Aerial Vehicle CGF through Agent-Based Modeling	
<i>Ligong YANG</i>	(261)
Research on Dynamical Models of Non-Markovian Open Quantum System	
<i>Jianxiu LIU, Shuang CONG</i>	(264)
A Robust Beamforming Algorithm Based on Error Matrix for Co-Channel Interference Cancellation in OFDM Systems	
<i>Xi CHEN, Jian YANG</i>	(273)
Population Control of Eigenstates and Its Simulations	
<i>Sen KUANG, Shuang CONG</i>	(278)
Model Reference Adaptive Control of Quantum Systems	
<i>Shuang CONG, Yaping ZHU, Jianxiu LIU</i>	(283)
Preparation of Two-Qubit Effective Pure State Based on Lyapunov Method	
<i>Jianxiu LIU, Shuang CONG</i>	(288)
Application of Split-Step Fourier Transformation Method in Parabolic Type Wave Equation and Its Error Analysis	
<i>Shuai LIU, Zhi LI</i>	(292)
State Steering of Electron Spin System by Multi-Step Quantum Measurement	
<i>Chenbin ZHANG, Yu XIN, Zonghai CHEN</i>	(297)
Controllability Analysis of Degenerate Quantum Systems——Symmetry Broken Method	
<i>Chenbin ZHANG, Zonghai CHEN</i>	(301)
Probabilistic Controllability: The Unified Description of Unitary Evolution and Quantum Measurement	
<i>Chenbin ZHANG, Zonghai CHEN</i>	(305)

Part 3 System Simulation

Research on Integration of Simulation System for Vegetation Interface Processes (VIP)	
<i>Yinghao ZHU, Lin SUN, Jing SONG, Xingguo MO</i>	(309)
The Design and Implementation of Transducer Simulation Software Based on Virtual Testing Platform	
<i>Jun ZHANG, Yonghong LUO, Jiezhi WANG, Li ZENG</i>	(313)
The Study of the Computer Generated Force System of the Confronted System Based on HLA	
<i>Nan JIANG, Chengcheng SUI, Wanze ZHANG, Zhenyu SUN</i>	(316)

Study on Assist Generating of Air Defense Forces Disposition Project	
<i>Xiaobo YUAN, Kun WANG, Minglei LU</i>	(320)
Research on Estimation and Simulation of Remaining Mileages of Electric Vehicles	
<i>Shengwen ZHANG, Zhiyuan LIU, Haifeng LIU</i>	(325)
The Model and Simulation Process Design for Residents Travel Destination Choice	
<i>Jingxin GAO, Zhicai JUAN, Yingrong DONG</i>	(331)
Effectiveness Evaluation of Warfare Simulation on Smoke Support System	
<i>Xun SUN, Xuezheng ZHU, Zongzhong YAO, Xiaohui LIU, Fei LI, Quanjun YIN</i>	(336)
Design and Full Three-Dimensional Numerical Simulation Investigation of a Four-Stage Axial-Flow Compressor	
<i>Jianguo DING, Qingchang YANG</i>	(342)
Research on Component Dynamic Assembly Technology in Air-Combat Simulation Systems Development	
<i>Jinhui ZHU, Dengdi LIU, Zhiwei ZHANG, Kungang YUAN, Daling YANG</i>	(346)
An Architecture Description Approach of System of Armament Systems to Assess Capability	
<i>Guangzhi BU</i>	(350)
Simulation Analysis Based on Fault Tree for Traction Substation SCADA	
<i>Dongsong YAN, Yuanliang HUANG</i>	(357)
Exploration on Application of Simulation in Education	
<i>Yunwu WANG, Lin CHEN</i>	(361)
Response Analysis and Collapse Simulation of Serial Isolation Structure under Near-Fault Earthquake	
<i>Yongfeng DU, Neng TANG</i>	(366)
Design of CVT Simulator for Artillery Servo System Simulation Test	
<i>Chi HE, Chaoyuan CAI, Guangling DONG, Qiang LI, Wenkai XIE</i>	(372)
Simulation and Application of Manpower System with Hierarchical Structure	
<i>Jinfei LI, Jun WAN, Shaoding ZHANG, Yingwu CHEN</i>	(376)
Discussion on the Interaction of IETM	
<i>Zongchang XU, Ping HE</i>	(381)
Design of the Warship Operation Experiment Platform Based on HLA	
<i>Gangqiang LI, Jianhua CHEN, Tiaoping FU</i>	(384)
The Design and Simulation of a Kind of Wide Band DDC	
<i>Hui WANG, Jinwen ZHANG</i>	(390)
Researches on Running Mechanism of GPSS/JAVA Web Edition	
<i>Jian SUN, Rijia DING</i>	(395)
LabVIEW Simulation on Fuzzy PID Control of Boiler Drum Water Level	
<i>Dongsong YAN, Hao LIU, Jingming LI</i>	(400)
The Design and Implementation of 3D Models Database Management System	
<i>Xiaoping XING, Yulan ZHANG, Zhiling LIU, Guozhen XIE</i>	(404)
A Brain Computer Interface Based on Wavelet Packet and Support Vector Machine with a Voting Mechanism	
<i>Guang YANG, Kenji NAKAYAMA, Akihiro HIRANO</i>	(408)
The Integrated Navigation System Simulation for a Large Domestic Transport Simulator	
<i>Xi CHEN, Chengcheng SUI, Zengbo ZHOU, Long PAN, Zheng WANG</i>	(414)
Circuit Design Realization of Some Type Simulation Signal Generation Device on Airplane Weapon System	
<i>Zhihu ZHANG, Shaoxian ZHANG, Wei CHEN, Hongyu WANG, Bo LIU, Hongguang JIA</i>	(418)
Study on Process Model of Data VV&C for Large-Scale Simulation System	
<i>Zhijun HAN, Shaojun LIU, Min JING, Zhenhao LIU</i>	(422)
Research on Operational Simulation for Avionics System Based on Multi-Agent	
<i>Huaxing WU, Wei HUANG, Fengju KANG, Yi LU</i>	(427)
Simulation Study of Demand Effect to Product Supply Chain in E-Commerce	
<i>Wan LIU, Bin HU</i>	(432)

Modeling and Simulation of Thermal Control System Based on InTouch <i>Tao HONG, Gang CHENG</i>	(437)
Interoperability of Naval Joint Simulation Systems <i>Rui GUO, Guo ZHANG, Chao WANG</i>	(441)
Research and Practice of Innovative Practical Teaching Based on Dynamic Simulation <i>Shijin LIU, Jingquan ZHANG, Gaosu XU, Jingran YI</i>	(446)
Simulation Analysis of the Wind Tunnel Based Virtual Flight Testing Method <i>Hao LI, Zhongliang ZHAO, Zhaolin FAN</i>	(449)
Study on Simulation and Optimization of Disease Treatment Process of Field Medical Detachment in Flood-Fighting and Emergency Rescues Operation <i>Limei ZHOU, Chao QIN, Lei JIANG, Haiwen PENG, Jianjun ZHAO</i>	(455)
Research of Simulation Software Architecture Optimization Used with Components Based on Reach-Ability Matrix <i>Songhui NAN, Xuejun LIAO, Nan JIANG</i>	(460)
A Modified Approach for Crowd Simulation Based on Synthetic-Vision Model <i>Weijie SU, Chuchao SHI, Qingge JI</i>	(464)
Emulational Realization of the Detection of Weak Direct Sequence Spread Spectrum Signals on MATLAB <i>Wei HOU</i>	(472)
An Integrated Design of Guidance and Control System with Variable Structure Control Method <i>Jingju ZHU, Zhenlin BIAN, Qilin LIU</i>	(475)
Research on Large-Scale Terrain Simulation Based on Vega Prime <i>Huifang LV, Xu LU, Wanfeng ZHANG, Dongsheng ZHAO, Qingzhu FEI</i>	(479)
Design and Realization on Simulation System for Pure Electric Vehicle <i>Haixia QIAO, Zhen HE, Zhiyuan LIU</i>	(483)
Frame Design of Situation Exhibition and Analysis in Warfighting Experimentation <i>Yongjun CHENG, Sujun LI, Yueli WANG</i>	(489)
Design and Implementation of Visual Simulation in Space Mission, Ground-Deduction System <i>Zhihao MA, Xiaodan YANG</i>	(493)
The Simulation Technology in Orbital Express Program <i>Xiaobo CHEN</i>	(497)
Design of Typical Semi-Physical Simulation System Based on Module ADAM and Serial Network <i>Yong LONG, Biao DENG, Jing YUAN, Chunping HE</i>	(503)
Research on Command and Control Self-Synchronization for Network-Centric Operations <i>Weixin JIN, Tianyuan XIAO</i>	(508)
Research of Human Visual Perception Mechanisms for Object Tracking <i>Yuzhou ZHAO, Mingqing ZHU, Mingwei GUO, Jian WANG, Zonghai CHEN</i>	(513)
A Self-Adaptive Model Scheduling Algorithm to Distributed Simulation System of Hydropower Plant <i>Binqiao Zhang, Pengyu WANG, Rongzhang LIU, Xianshan LI</i>	(518)
Study and Application of Spherical Panorama Based on IBR <i>Rongjun GU, Haifei XIANG, Baojie HU, Zhizeng ZHOU, Jianbin YANG</i>	(522)
A Preliminary Study on Technique Architecture of Virtual Test and Its Applications <i>Yenan HU, Haidong CHEN, Jun LUO, Zhijun SHEN</i>	(527)
Study on Continuous Improvement Model of Data Quality for Large-Scale Simulation System <i>Zhijun HAN, Lei WU, Shaojun LIU, Min JING</i>	(533)
Research on Acquisition of Electronic Information Equipment Based on SBA <i>Jing GUO, Desheng LIU, Zhongwen ZHAO</i>	(538)
Research on SOA-Based Integration of Simulation Application Systems <i>Desheng LIU, Jing GUO, Wei XIONG</i>	(542)
Meta-Synthesis Method for Development of Imaging Simulation	

<i>Lingyun YANG, Desheng LIU</i>	(545)
Design of CIGI Common Image-Based Visual Simulation Interface	
<i>Yankai WANG, Baiwei GUO, Jiuhui DING</i>	(548)

Part 4 Aerospace and Equipment System Simulation

Simulation of Vibration Isolation of Ship Connecting Structures between Double Shells	
<i>Dejin QIAN, Xuhong MIAO</i>	(553)
Research on the Simulation Technique in Armored Equipment Support	
<i>Qing XUE, Jia LUO, Changwei ZHENG, Yonghong LIU</i>	(558)
Discussion on Data Mining for the M&S Technique in Armored Equipment Support	
<i>Qing XUE, Bowei CAO, Zhiwu TANG, Hong PEI</i>	(563)
Research on Maneuver Model Framework of Wheel Armored Vehicle	
<i>Chuanhai ZHANG, Bowei CAO, Qing XUE, Xi GUO</i>	(568)
Training Effect Evaluation of Armored Vehicle Driving Simulation Based on Transfer Matrix	
<i>Qing XUE, Tao HU, Bowei CAO</i>	(572)
Research on Data Stream Analysis for Equipment Combat Simulation	
<i>Bowei CAO, Qing XUE, Tao HU, Yibin HUANG</i>	(576)
Research on Battlefield Environment Modulation in Naval Aeronautical Equipment Battle Simulation	
<i>Zhiheng ZHOU, Xinghai WANG, Kewen BI</i>	(580)
CFD Based Flight Simulation Method Research	
<i>Xingya DA, Huairong SHEN, Zhongliang ZHAO, Yang TAO</i>	(585)
Numerical Simulation of Armour-Piercing Warhead Penetration the Steel Target	
<i>Junqing HUANG, Wei ZHANG, Xuehui YANG</i>	(590)
Research of the Tank Gunner Aiming Precision Model in Warfare Simulation	
<i>Guanghui LI, Weichao SHENG</i>	(594)
Aerodynamic Shape Optimization of Wing Based on FFD	
<i>Xiaoyong MA, Zhaolin FAN, Wenhua WU, Xingya DA</i>	(599)
Modeling and Simulation of Weapon Equipment System Architecture Based on Complex Networks	
<i>Huankai YU, Jinghua SONG, Meng ZHANG, Guo LI, Chun SUN</i>	(603)
The Simulation Research of Attitude Control System for GEO Satellite with V-Type Momentum Wheels	
<i>Gang WU, Weiping HE, Mengyue QIU</i>	(607)
Simulation Evaluation of Air-to-Air Missile Terminal Kill Efficiency	
<i>Kungang YUAN, Dengdi LIU, Zhiwei ZHANG, Jinhui ZHU, Daogang JIANG</i>	(612)
The Design on Miss Distance Calculation Software of the Portable Surface-to-Air Missile	
<i>Hu LIU, Yujie WU, Pengfei WANG, Yanjie CHENG</i>	(616)
Modeling of Infrared Countermeasure for Tank Defense Smoke	
<i>Huibo GAO, Qing XUE, Qing DENG</i>	(619)
Data Envelopment Analysis Based Evaluation of Combat Effectiveness for Fighter Aircraft	
<i>Yang WANG, Jun HUANG</i>	(622)
Research on Visualization of Air and Space Integrated Operation Simulation System Based on STKX	
<i>Zhiwei ZHANG, Dengdi LIU, Kungang YUAN, Jinhui ZHU, Jing CHEN, Chunlan WU</i>	(626)
Development of a Full Simulator for Large Cargo-Transport Plane on the Purpose of Engineering Simulation and Training	
<i>Chengcheng SUI, Donglai XIE, Wanze ZHANG, Nan JIANG</i>	(630)
Research on Flight Data Processing Based on SR_UKF for the Aircraft by Combined Control of Lateral Thrust and Aerodynamic Force	
<i>Xiaolei WANG, Qiuru HE, Dongfang LIU</i>	(634)
The Simulation of Surface Ship Patrol along Fixed-Patrol Route	

<i>Weibo LI, Tiaoping FU, Bin LIU</i>	(638)
Thermal Analysis Technology of Microsatellite	
<i>Shaoran LIU, Zhongxu XU, Chunyuan ZHANG, Shiming FU</i>	(642)
The Study of Engineering Flight Simulation Modeling of Aerotransport	
<i>Zhenyu SUN, Chengcheng SUI, Nan JIANG</i>	(647)
Research on Flight Course Visualization Simulation of Ballistic Missile	
<i>Shuai WANG, Liyun CHEN, Yunlong LIU, Feng WANG</i>	(651)
Modeling and Simulating Research on Dynamic Reliability of Power and Drive System of Helicopter Based on TimeNet4.0	
<i>Bin DONG, Yongcheng XU, Peng TANG, Xinpeng ZHANG</i>	(656)
Simulating Computation of the Air Age of the Space Station Cabin	
<i>Xinming SU, Shiming FU, Yifei PEI</i>	(661)
Research on the Technology of Multichannels Digital Sound Simulation Applied to Flight Simulators	
<i>Guangxing ZHAO, Chengcheng SUI, Huawei SI, Hongtu LI</i>	(668)
Research on Visual Simulation of Aviation Depth Charge Trajectory	
<i>Bing QIAO, Bo NING, Gang CHEN</i>	(672)
Simulation and Optimizing of Testing Flow of Equipment Based on Arena	
<i>Zhichao HU, Ge LI</i>	(676)
The Study on Creditability Conception of Flight Training Simulator (FTS)	
<i>Baozhi WANG, Jiangang CHAO, Liang XUE, Weibo LIU, Junjun WANG, Hua DENG, Tianchun CHANG</i>	(681)
Vertical Launch Surface-to-Air Missile Killing Area Calculating Method Based on Trajectory Simulation	
<i>Shaowei ZHU, Yujun FU</i>	(686)
A Design of Equipment Simulation Experiment System of the Coast-Ship Missile Based on the HLA	
<i>Yin ZHONG, Jianhua CHEN, Gangqiang LI</i>	(691)
Design and Simulation of PID-Based Missile Stability Control Loop	
<i>Zhen LIU, Tao ZHANG</i>	(696)
Parallel Real-Time Simulation for Virtual Satellite's Attitude and Orbit Control System	
<i>Xinhong LI, Shenghui WAN, Yongle ZHANG</i>	(702)
The Numerical Simulation about Instantaneous Impact Forces on the Valve System by Wind Tunnel's Starting	
<i>Zhao ZHANG, Tao WANG</i>	(709)
Application of Parametric Model to Simulation and Effectiveness Evaluation of Warships	
<i>Feng SHI, Xinghua GAO, Zhigang FANG</i>	(714)
Design and Validation of Transonic Flutter Model of T-tail Wing	
<i>Binbin LV, Hongtao GUO, Hongbiao WANG</i>	(719)
Modeling and Simulation of High Orbit Satellite Attitude Determination Using Multi-Sensor	
<i>Xiangchun LIU, Weimin ZHOU, Ying LIAO</i>	(723)
The Influence of Thrust-Vectoring on Aircraft Agility	
<i>Yuzhan WU, Ping ZHANG</i>	(727)
Research of Sciamachy Method for Police Pistol Gunfight Tactical Training	
<i>Xiaohui ZHANG</i>	(732)
A Dimensionless Method on Velocity Pursuit Guidance System	
<i>Jingju ZHU, Tongquan YANG, Yunfeng SHAO</i>	(737)
Modeling and Optimization for Multi-Satellite, Multi-Station TT&C Scheduling Problem	
<i>Huijiao BU, Jin ZHANG, Yazhong LUO</i>	(741)
Tracking Arc Simulation Analysis for TDRS Tracking Rendezvous and Docking	
<i>Hua DING, Zhengrui CAO, Weiping HE</i>	(748)
The Design and Simulation of the Helicopter Flight Control System Based on Flight Quality	
<i>Haiming HU, Hong SHAO</i>	(754)
Research of Combat Effectiveness Simulation Framework of Satellite System of System	

<i>Zhanyue ZHANG, Ying LI</i>	(759)
A Real-Time Radar Echo Signal Simulation Based on Software Implementation	
<i>Hao MA</i>	(764)
Simulation of Compass Navigation Signal	
<i>Lijun MA, Zhiyong LU</i>	(769)
Study on Simulation Technology of Torpedo Acoustics-Optic Compound Guidance System	
<i>Bin LI, Wei ZHENG, Yamin WAN</i>	(772)
Design of Cruising Missile of High Altitude Penetrating Simulation System Based on KnowBook	
<i>Jiong LI, Humin LEI, Lei SHAO, Guohong LI</i>	(777)
3D Scene Simulation and Realization on a Certain Type of Ground-to-Air Missile Weapon System	
<i>Jian LI, Wenyi DUAN, Hong MA</i>	(782)
Simulation of Fire Control System of Propelling AAA in Moving State	
<i>Chunhua LV, Zheng MAO, Qingshan LU, Liping ZHENG</i>	(787)
Model Architecture Design of Flight Performance Simulation of Large Launch Vehicles	
<i>Chen WANG, Changgang LU, Aizhen CHEN</i>	(792)
Study on Verification Methods of Calculation Accuracy for Flight Simulation	
<i>Aizhen CHEN, Changgang LU, Kui WU</i>	(796)
Study of Digitalized Closed Loop Simulation Verification Technology Application to Launch Vehicle	
<i>Li LI, Rongmei NIE, Kui WU</i>	(800)
Research on Module Partition Method for a Weapon System	
<i>Junyan ZHAO, Baoquan MAO, Li XU, Yongliang WU</i>	(803)
Simulation on Trajectory Generation for a Hovercraft Control with DMOC	
<i>Weizhong ZHANG, Baiwei GUO</i>	(808)
Research on Simulations of Space-Based Laser Jamming	
<i>Wei XIONG, Zhike CHEN</i>	(811)
Technology Research of Sea Clutter Image Simulation in Radar System Simulation	
<i>Wei FANG, Yuxuan SI, Yuanxing SU</i>	(817)

Part 5 Control and Decision

Overview of Air-to-Air Situation Assessment	
<i>Siyu ZHOU, Wenhai WU, Li GAO, Xiang LI</i>	(823)
Supercritical Wing Drag Reduction with Optimizations of 3D Contour Bumps	
<i>Guangyuan LIU, Yang TAO, Dehua CHEN, Yan SUN</i>	(828)
Optimum Design for the Shaped Charge Configuration of Lange-Angle and Equal-Thickness Cone Liner Based on Simulation	
<i>Zhifang WEI, Lili GONG</i>	(833)
Predictions of Dynamic Damping Coefficients of Basic Finner Based on CFD	
<i>Yang TAO, Xingya DA, Zhongliang ZHAO</i>	(837)
Vector Control of Permanent Magnet Synchronous Motor Based on MapleSim	
<i>Wenjun SUN, Hui YAN, Yongming GAO, Hang YIN</i>	(841)
Improved Data Distribution Management Strategy Based on Grid	
<i>Yuhua LUO, Jun ZUO, Yulin CUI</i>	(846)
Evaluation of SNR and SIR Based on HF Field-Strength Prediction	
<i>Haiyong ZHANG, Chi XU, Xiaofei HUANG</i>	(851)
Wind Research Unmanned Aerial Vehicle	
<i>Xiaogang LIU, Guoshou SONG</i>	(856)
A Parallel Preconditioner of 2D Three Temperature Radiation Heat Conduction Equations with FEM Scheme	
<i>Meizhen GUO, Yuan ZHANG</i>	(860)

Drive and Control of Integrated Mechanical Instrument for Aircraft Simulator	
<i>Huawei SI, Chengcheng SUI</i>	(864)
Analysis and Development of Opening Consulting Service System for Micro Enterprises Based on Yichang	
<i>Dehong FENG, Daijun PENG, Xiaoli LIU</i>	(868)
Human Visual Intelligence Motivated Particle Filter Visual Tracking Algorithm	
<i>Mingqing ZHU, Yuzhou ZHAO, Zhiling WANG, Zonghai CHEN</i>	(871)
Research on the Grid-Based Heterogeneous Data Integration of Equipment Support	
<i>Bingbing GUAN</i>	(880)
Optimization of MRI Permanent Magnet Configuration Based on Finite Element Method	
<i>Haicheng WU, Shiyong YANG, Jing LI</i>	(885)
A Subcritical Prediction of Flutter Onset for Response Excited by Airstream Turbulence	
<i>Hongtao GUO, Bo LU, Binbin LV, Li YU</i>	(888)
Relative Orbit Determination for Fractionated Spacecraft Using Inter-Satellite Range Measurements Only	
<i>Min HU, Guoqiang ZENG, Hong YAO</i>	(894)
Research on the Information Acquisition Capability Evaluation of Space-to-Earth Observation System	
<i>Ying LI, Zhanyue ZHANG, Qinghua CHEN</i>	(898)
Evaluation of Intelligence Obtaining Ability in Sea Battle	
<i>Xuefei LI, Yongkan SUN, Zhengxiang XIONG, Zongxiang LIN</i>	(903)
Study on Circulating Water System Based on RBF Neural Network PID Control	
<i>Wanyu TAN, Feng GONG, Xiangping MENG, Liang ZHAO</i>	(907)
Overview of the Study of Mobile Robots Localization Methods	
<i>Peng WANG, Shujie LI, Zonghai CHEN</i>	(911)
Overview of Biologically Inspired Methods for Object Recognition	
<i>Mingwei GUO, Mingqing ZHU, Yuzhou ZHAO, Jian WANG, Zonghai CHEN</i>	(916)
Research on Half Beam Processing and Phase Filter Technology of Active Sonar Signal in Shallow Sea	
<i>Jianping LIU</i>	(924)
Research on Dynamic Target Assignment of Ground-Based Air Defense Composite Group	
<i>Lin YANG, Fuxian LIU, Lei WANG</i>	(930)
Time-Involved Cutting Plane and Region Covariance Descriptor for Jump Action Recognition	
<i>Jian WANG, Mingqing ZHU, Yuzhou ZHAO, Mingwei GUO, Zonghai CHEN</i>	(935)
Research and Simulation on CORS Station Distribution Based on Ellipsoid Geodetic-Line Triangulation Network	
<i>Guangjun LIU, Jing GUO, Xudong LIU</i>	(942)
A Reinforcement Learning-Based Method for Traffic Network Green-Wave Coordinated Control	
<i>Junping XIANG, Shujie LI, Zonghai CHEN</i>	(947)
Integration and Uniform Schedule on Heterogeneous Video Service Systems	
<i>Hong ZHAO, Chao SHEN</i>	(952)
Research on Aerospace TT&C Resource Scheduling Problem and Method	
<i>Zhao LI, Hongmei DU</i>	(957)
Reynolds Number Effect Investigation of Supercritical Airfoil Based on Wind Tunnel Test	
<i>Dawei LIU, Dehua CHEN, Yuanjing WANG</i>	(962)
Summarizing and Analyzing Balancing Methods of Power Li-ion Batteries	
<i>Xingtao LIU, Yao HE, Li CHEN, Chenbin ZHANG, Zonghai CHEN</i>	(968)
Evaluation of Area Air Defense Disposition Based on Simulation	
<i>Lin YANG, Fuxian LIU, Lei WANG</i>	(974)
A Combat Plan Evaluation by CAS Based Deduction	
<i>Yipeng LI, Jiang ZHU, Changpeng XU</i>	(979)
A Modified Particle Filter Algorithm for Video Tracking	
<i>Liqi WANG, Haiyun CHEN, Xiaoqiang YAN</i>	(984)

Research and Simulation of Backstepping Design for Adaptive Cruise Control	
<i>Yuenan ZHAO, Zhiyuan LIU</i>	(988)
Flight Control System of Hypersonic Vehicle Using Extended Linearization	
<i>Jian CAO, Ping ZHANG</i>	(993)
Region Covariance Descriptor Based Stationary Object Detection in Visual Surveillance	
<i>Jingru ZHANG, Yao HE, Xingtao LIU, Mingqing ZHU, Zonghai CHEN</i>	(997)
Driving Route Choice Research Based on Satellite Images	
<i>Yonghuan CHEN, Zhiling WANG, Mingqing ZHU, Jian WANG, Zonghai CHEN</i>	(1002)
A TL431-Based Feedback Compensation for Hybrid Wind-Photovoltaic Power Tracking	
<i>Zhiling WANG, Miao HE, Yu XIN, Zonghai CHEN</i>	(1007)
SOC Estimation for Power Li-ion Battery Based on Joint EKF	
<i>Yao HE, Xintian LIU, Xingtao LIU, Li CHEN, Chenbin ZHANG, Zonghai CHEN</i>	(1013)
Research on Method Framework of Security Region Estimation in Rail Transit System Operation Safety Assessment	
<i>Yuan ZHANG, Yong QIN, Limin JIA, Ping LIU</i>	(1018)
Solution of the Robot-Arm Remote Control System Based on Internet-PC	
<i>Shuang CONG, Haiyan ZHOU</i>	(1023)
A Classification-Based Search Method for Generating Large-Scale Robot Formation	
<i>Xingnan ZHANG, Fan OUYANG, Chunlin CHEN</i>	(1029)
Research for Electrical Device Fault Diagnosis and Simulation Based on RBF Neural Networks	
<i>Hongqi WU</i>	(1034)
The Application of Image Blurred Processing in the Noise Simulation of Radar	
<i>Yanming XU, Jian LI, Wenyi DUAN, Jian YIN</i>	(1037)
Research on the Evaluation Method of Module Configuration Scheme Based on Simulation	
<i>Shihai ZHOU, Wenhui WANG, Hongtian LIU, Ling LI</i>	(1041)
Effect of Topologic Characteristics on Satellite-Network Transportation Efficiency	
<i>Qi LIN, Zhi LI, Rui ZHOU</i>	(1046)
A Study on Power Li-ion Battery Pack's Management System of Electric Vehicles	
<i>Li CHEN, Xuemei LU, Mingjie FANG, Yao HE, Xingtao LIU</i>	(1051)
Research on Visualization Technology of Radar Coverage in Digital Battlefield	
<i>Kai DONG, Weiming LI, Benqing JIANG, Wei FANG</i>	(1056)
Control and Simulation of Image Placement System for Space-Based Telescope	
<i>Baiwei GUO, Yongliang ZHANG, Jiuhui DING, Shan CHEN</i>	(1063)
Analysis of Power Battery Pack Process Based on Statistical Model	
<i>Chenbin ZHANG, Zonghai CHEN</i>	(1068)

Part 6 DEDS

Research on the Integration of Discrete Event Simulation and Agent-Based Modeling	
<i>Huanhuan WANG, Bin HU, Yong SHI</i>	(1072)
Simulation and Optimization of the Refectory Repast Model Based on the Unsteady Poisson Arrival	
<i>Zhongshan ZHANG, Xiaojun LU</i>	(1078)
A Method of Battle Simulation Creditability Evaluation Based on Event Logic Analysis	
<i>Ming SUN, Shen ZHANG, Yalong MA</i>	(1084)
Present and Future Development of Microcosmic Simulation Software in the Field of Transportation Planning and Management	
<i>Shiwei HE, Jie LIU</i>	(1088)

Part 7 Gray & Qualitative Simulation

Analysis and Prospect of Qualitative-Quantitative Representation Method of Uncertain Knowledge	
--	--

<i>Shujie LI, Zonghai CHEN</i>	(1095)
Assessing Method of C4ISR System Based on Rough Set Theory	
<i>Yonghong LIU, Qing XUE, Changwei ZHENG</i>	(1104)
Simpson Integration Formula Based on Forecast of Optimization	
<i>Kan LIU, Xinxin TIAN</i>	(1108)
Study on the Forecast Model of Road Traffic Accident with Gray Theory	
<i>Haiyang YU, Wentao HAN</i>	(1112)
Research on Checkout Methods for the Compatibility Test between the Pre-Test Data and the Local-Test Data in Small Sample Test	
<i>Ronghua GUO, Yong LI</i>	(1115)
Technical Feasibility of Aircraft Conceptual/Preliminary Scheme Based on Uncertainty	
<i>Kangwen SUN, Dongxu LIU, Guoquan TAO, Jun HUANG</i>	(1122)
Multi-Hierarchical Maps for Mobile Robot Based on Environment Subdivision	
<i>Shujie LI, Sheng HAN, Zonghai CHEN</i>	(1127)
Research of Discriminating Driver Accident Proneness Based on Fuzzy Clustering	
<i>Zhiye YUAN, Renjun ZHAN</i>	(1132)
Study on Qualitative Simulation Experiment Based on Qualitative Reasoning Software	
<i>Anyuan HAN, Ping LV, Botao YU</i>	(1136)
Analysis and Prospect of the Information Fusion Technique of the Mobile Robot Navigation	
<i>Sheng HAN, Shujie LI, Zonghai CHEN</i>	(1141)
Space Target Threat Evaluation Based on Discrete Fuzzy Dynamic Bayesian Network	
<i>Dan LI, Xiaohong YU, Min WANG</i>	(1147)
Research on Target Assignment Method Based on Discrete Fuzzy Dynamic Bayesian Network	
<i>Dan LI, Xiaohong YU, Suyi YUAN</i>	(1150)

Part 8 Other Topics

The Research and Realization of Positioning the Tension Reel	
<i>Hong ZHANG, Hebao YU</i>	(1155)
MapX Control and Its Application in Geographical Information System Implement	
<i>Yiyong LI, Huairong SHEN, Weijing ZHOU</i>	(1158)
Concept Differentiation and Analysis on US Military's Cyber Operations	
<i>Fansong MENG, Yining HAN</i>	(1162)
A Digital Signal Processing Methods of Data Pretreatment	
<i>Guoqing ZHANG, Yalong MA, Lanjuan TONG, Ming SUN</i>	(1167)
Study on Microgripper Based on the Compliant Mechanism of Motion Reduction	
<i>Shuai WANG, Gang SU, Hongyi LI</i>	(1170)
Method for Assessing the Risks of a Driver's Decision-Making Errors	
<i>Lingfeng MEI, Wentao HAN</i>	(1175)
Design and Application of a High-Speed Data Acquisition System Based on CORTEX-M3	
<i>Yanping GUO, Yu CHEN</i>	(1178)
The Development and Philosophical Thought for Three Generations of Artificial Neural Networks	
<i>Qing LIU, Jun YING, Xiaoshu MA</i>	(1183)
Road Extraction from High-Resolution Remote Sensing Images Based on Autonomous Agents	
<i>Suli ZHANG, Xin PAN, Xiaofeng LI, Xiangping MENG</i>	(1187)
Hybrid Programming Application on Analysis of Isolated Building Software	
<i>Yu DANG, Hong ZHAO</i>	(1193)
Research of Seabed Sediments Classification Technology Based on Time-Frequency Analysis	
<i>Yan ZHU, Xinkai LU</i>	(1197)

Summary of DC Converter in Photovoltaic Generating System
Yu XIN, Zhiling WANG, Miao HE, Zonghai CHEN.....(1201)

Study of Technology to Realize External Data-Driven STK /Connect Module in Network Environment
Haizhong SUN, Mengyue QIU, Xiaoteng HUANG, Weiping HE.....(1207)

Design and Simulation of Circuits with Adjustable Pulse Duty Factor Based on VHDL Language
Huajin ZHAO, Lijun MA.....(1213)

目 录

第一部分

异构环境下协同仿真运行支撑环境体系结构研究.....	范文慧, 肖田元(1)
基于视觉智能模拟的感知技术研究.....	陈宗海, 朱明清, 赵宇宙, 郭明玮, 王建(6)
战场态势三维仿真系统研究.....	贾连兴, 汪霖, 韩世刚(17)
基于层次分析方法的飞行器轨道性能评估.....	蔡远利, 魏倩, 支强(23)
Robust Scheduling for Single Machine with Rush Orders.....	Xianchao ZHANG, Hong ZHOU(28)

第二部分

基于组件库的多精度模型生成方法研究.....	李书杰, 吴鹏宇, 陈宗海, 黄筱调(33)
点在四边形内判定算法研究及其在仿真中的应用.....	郑长伟, 薛青, 于屏岗, 任晓明(39)
空间碎片超高速撞击数值模拟技术及应用.....	李怡勇, 沈怀荣, 王卫杰(44)
基于包容体的驾驶行为建模研究.....	薛青, 任晓明, 郑长伟, 周文斌(48)
基于波谱理论的海浪几何建模方法.....	侯学隆, 徐君明, 王宗杰(53)
城市作战仿真中战场环境信息粒化模型研究.....	薛青, 徐文超, 郑长伟, 刘永红(58)
风洞虚拟飞行纵向线位移约束影响效应CFD仿真研究.....	陶洋, 达兴亚, 赵忠良, 范召林(61)
梳状线带滤波器的仿真设计与实现.....	徐小平(66)
Topology Model of Space Information Support Power System Based on the Complex Networks.....	Zhenxin LIU, Xiaohong YU, Qing YANG(70)
文氏桥正弦波发生器的EWB仿真研究.....	周宦银, 房宗良, 朱玲赞, 马桂珍, 马果花(75)
基于广义- α 方法的多体系统运动方程数值算法研究.....	马秀腾, 翟彦博, 罗书强(79)
盲信号分离算法仿真研究与性能评估.....	吴彪, 赵炜, 赵彬(84)
基于算子的武器系统效能柔性评估建模方法论.....	蔺美青, 高玉良, 翁呈祥, 许明(89)
牵引供电系统故障建模.....	黄元亮, 邵华平, 钱清泉, 张林易(95)
创建Proteus双基色LED点阵模块仿真模型.....	周灵彬, 任开杰(100)
基于有限理性的虚拟视觉感知因子分析.....	薛青, 徐文超, 郑长伟, 刘永红(105)
汽轮机流量特性仿真方法研究.....	武海澄, 汤伟, 陈胜利, 蔡兵(108)
基于小世界模型的网络中心战网络构建分析.....	杨庆, 于小红, 刘震鑫(112)
气囊充气过程流场特性研究.....	张绳, 程涵, 刘雄, 余莉(116)
球-地双基地雷达云雨杂波建模与仿真研究.....	战立晓, 汤子跃, 朱振波, 张袁鹏(121)
基于自适应核函数的Wigner变换方法研究.....	施闻明, 朱海, 杨晓东(126)
非定向主动声纳浮标目标运动分析仿真研究.....	李居伟, 孙明太, 周利辉(130)
基于遗传退火算法的战场跳频频率分配仿真研究.....	邢立鹏, 胡旭, 李晨辉, 于伟, 楚世理(135)
薄板超高速撞击穿孔毁伤仿真研究.....	王卫杰, 沈怀荣, 李怡勇(140)
基于指令机制的作战Agent协作模型研究.....	薛青, 邓青, 高会波(145)

基于Modelica的船用冷凝系统图形化建模与仿真.....	朱国情, 程刚, 孙丰瑞(150)
功能安全分析及建模方法研究.....	燕飞, 赵显琼, 唐涛(155)
智能体建模方法研究.....	王建平, 田世佑, 叶伟(161)
基于ePCANS模型的C2组织本体建模方法研究.....	潘国民, 李刚强, 邱旋(164)
舰艇编队物资保障联合补给模式的系统动力学模型.....	岳奎志, 韩维, 张铁英, 史建国(170)
振幅和差式单脉冲雷达建模及测角性能仿真.....	陈洋, 章锦文, 姚宏达(177)
体系对抗仿真中的大气环境联邦构建.....	黄华, 顾春利, 陆汉城, 徐幼平(183)
在虚拟空间中军队系统的描述与研究.....	董淑英, 肖田元, 王帅(189)
基于效果的态势综合能力仿真建模研究.....	王钰, 许峰, 陈少卿, 李冷冷, 李崑, 高飞(195)
宽频带雷达扩展目标运动建模.....	郭昕, 张强(198)
基于WF-net的应急空间军事任务过程建模研究.....	张海波, 苏明, 史建伟(202)
基于HTCPN的测试发射过程建模与仿真.....	史建伟, 蔡远文, 崔晓阳(208)
一种基于HLA的气象扩展模型设计.....	张树江, 张国春(215)
Modeling and Analysis of Aerospace Automatic Test System Software Architecture Based on UML.....	Jiang TONG, Yuanwen CAI(219)
基于聚合/解聚的加密设备多分辨率建模研究.....	孔红山, 张明清, 唐俊(223)
基于SOA的联合作战建模与仿真问题研究.....	曹占广(227)
超短波传播损耗预测研究与应用.....	王好同, 李伟明, 方伟, 马钰(231)
风洞光学窗力学特性研究.....	鲍禄强, 陈万华, 陈振华, 解志军(237)
基于免疫Multi-Agent舰艇防空防御CGF建模.....	陈建华, 李刚强, 傅调平(242)
复杂雷达信号环境等效射频仿真研究.....	胡浩, 王力, 姚宏达, 李为良, 李婷婷(247)
一种基于Agent的认知网络节点模型.....	高春蓉, 贲可荣(250)
量子么正演化与测量控制的蒙特卡罗仿真.....	刘文峰, 张陈斌, 陈宗海(256)
Reconnoitering Simulation of Unmanned Aerial Vehicle CGF THROUGH Agent-Based Modeling.....	Ligong YANG(261)
Non-Markovian开放量子系统动力学模型的研究.....	刘建秀, 丛爽(264)
基于误差矩阵的OFDM系统的同频干扰抑制波束形成算法.....	陈熙, 杨坚(273)
Population Control of Eigenstates and Its Simulations.....	Sen KUANG, Shuang CONG(278)
量子系统的模型参考自适应控制.....	丛爽, 朱亚萍, 刘建秀(283)
基于Lyapunov方法的2-量子位有效纯态的制备.....	刘建秀, 丛爽(288)
分步傅里叶算法在求解抛物型波动方程中的应用及精度分析.....	刘帅, 李智(292)
State Steering of Electron Spin System by Multi-Step Quantum Measurement.....	Chenbin ZHANG, Yu XIN, Zonghai CHEN(297)
简并量子系统的能控性分析——对称性破缺法.....	张陈斌, 陈宗海(301)
概率能控性：么正演化和量子测量的统一描述.....	张陈斌, 陈宗海(305)

第三部分

Research on Integration of Simulation System for Vegetation Interface Processes (VIP).....	Yinghao ZHU, Lin SUN, Jing SONG, Xingguo MO(309)
一种基于虚拟测试平台的变频器仿真软件的设计与实现.....	张军, 罗永红, 王解治, 曾理(313)

战术对抗系统中基于 HLA 的兵力生成研究.....	姜南, 隋成城, 张万泽, 孙振宇(316)
防空兵群兵力部署方案辅助生成研究.....	原晓波, 王昆, 路明磊(320)
电动汽车剩余行驶里程估计与仿真方法的研究.....	张生文, 刘志远, 刘海峰(325)
居民出行目的地选择模型与仿真流程设计.....	高晶鑫, 隗志才, 董英荣(331)
烟幕支援系统作战仿真效能评估.....	孙逊, 诸雪征, 姚宗忠, 刘晓辉, 李飞, 殷全军(336)
某四级轴流压气机设计与全三维数值仿真研究.....	丁建国, 杨庆长(342)
空战仿真系统中组件动态装配技术研究.....	朱金辉, 刘登第, 张志伟, 袁坤刚, 杨达玲(346)
支撑能力评估的武器装备体系结构描述方法.....	卜广志(350)
牵引变电所 SCADA 系统故障树仿真分析.....	严冬松, 黄元亮(357)
仿真在教育中的应用初探.....	王运武, 陈琳(361)
近断层地震下串联隔震结构分析及倒塌仿真.....	杜永峰, 唐能(366)
Design of CVT Simulator for Artillery Servo System Simulation Test.....	Chi HE, Chaoyuan CAI, Guangling DONG, Qiang LI, Wenkai XIE(372)
多等级结构的人力系统仿真建模与应用.....	李今飞, 万君, 张少丁, 陈英武(376)
浅谈 IETM 的交互性.....	徐宗昌, 何平(381)
基于 HLA 的平台行为集仿真实验平台设计.....	李刚强, 陈建华, 傅调平(384)
一种宽带数字下变频器设计及仿真.....	王辉, 章锦文(390)
Web 版 GPSS/JAVA 运行机制的研究与实践.....	孙健, 丁日佳(395)
锅炉汽包水位模糊 PID 控制的 LabVIEW 仿真.....	严冬松, 刘浩, 李景明(400)
三维模型数据库管理系统的设计与实现.....	邢小平, 张玉兰, 刘志玲, 谢国珍(404)
A Brain Computer Interface Based on Wavelet Packet and Support Vector Machine with a Voting Mechanism.....	Guang YANG, Kenji NAKAYAMA, Akihiro HIRANO(408)
国内某大型运输机模拟器综合导航系统的仿真.....	陈曦, 隋成城, 周增波, 潘龙, 王征(414)
某型机武器模拟信号产生装置的电路设计实现.....	张志虎, 张少贤, 陈伟, 王宏宇, 刘波, 贾红光(418)
大型仿真系统数据 VV&C 过程模型研究.....	韩志军, 柳少军, 景民, 刘振浩(422)
Research on Operational Simulation for Avionics System Based on Multi-Agent.....	Huaxing WU, Wei HUANG, Fengju KANG, Yi LU(427)
Simulation Study of Demand Effect to Product Supply Chain in E-Commerce.....	Wan LIU, Bin HU(432)
基于 InTouch 的热力控制系统建模与仿真.....	洪涛, 程刚(437)
海军联合仿真实验系统互操作问题研究.....	郭锐, 张国, 王超(441)
基于动态仿真的创新实践教学研究与实践.....	刘世金, 张敬泉, 许高骊, 易景然(446)
Simulation Analysis of the Wind Tunnel Based Virtual Flight Testing Method.....	Hao LI, Zhongliang ZHAO, Zhaolin FAN(449)
抗洪抢险医疗队疾病救治流程仿真与优化研究.....	周丽梅, 秦超, 江雷, 彭海文, 赵建军(455)
Research of Simulation Software Architecture Optimization Used with Components Based on Reach-Ability Matrix.....	Songhui NAN, Xuejun LIAO, Nan JIANG(460)
一种改进的基于合成视觉模型的人群仿真方法.....	苏伟杰, 施楚潮, 纪庆革(464)
基于MATLAB的微弱直扩信号检测的仿真实现.....	侯伟(472)
变结构制导控制系统综合设计与仿真研究.....	朱敬举, 卞真林, 刘琪琳(475)
基于Vega Prime的大规模地景仿真研究.....	吕慧芳, 鲁徐, 张皖峰, 赵东升, 费青竹(479)
纯电动汽车整车控制仿真系统的设计与实现.....	乔海霞, 何朕, 刘志远(483)

作战实验态势展示与分析框架设计.....	程永军, 李苏军, 王跃利(489)
航天任务地面推演系统中视景仿真的设计与实现.....	马志昊, 杨晓丹(493)
美国“轨道快车”项目中的仿真技术.....	陈晓波(497)
基于ADAM控制模块和串行总线的典型半物理仿真系统设计.....	龙勇, 邓飙, 袁静, 何春平(503)
作战体系指控网络同步能力仿真分析与实验.....	金伟新, 肖田元(508)
Research of Human Visual Perception Mechanisms for Object Tracking.....Yuzhou ZHAO, Mingqing ZHU, Mingwei GUO, Jian WANG, Zonghai CHEN(513)
水电站分布式仿真系统中自适应模型调度算法.....	张彬桥, 王鹏宇, 刘荣章, 李咸善(518)
基于IBR技术的球面全景研究与应用.....	顾荣军, 向海飞, 胡宝洁, 周志增, 杨建斌(522)
虚拟试验技术体系及其应用研究初探.....	胡叶楠, 陈海东, 罗军, 沈志军(527)
大型仿真系统数据质量持续改进模型研究.....	韩志军, 吴蕾, 柳少军, 景民(533)
基于SBA的电子信息装备采办研究.....	郭静, 刘德生, 赵忠文(538)
基于SOA的仿真应用系统集成研究.....	刘德生, 郭静, 熊伟(542)
综合集成法在视景仿真开发中的应用.....	杨凌云, 刘德生(545)
基于CIGI通用图像接口的视景仿真技术研究.....	王彦恺, 郭百巍, 丁久辉(548)

第四部分

舰艇舷间连接结构振动隔离技术仿真研究.....	钱德进, 缪旭弘(553)
装甲装备保障仿真技术研究.....	薛青, 罗佳, 郑长伟, 刘永红(558)
浅析基于数据挖掘的装备作战仿真数据分析.....	薛青, 曹波伟, 唐志武, 裴宏(563)
轮式装甲车辆机动模型框架研究.....	张传海, 曹波伟, 薛青, 郭玺(568)
基于转移矩阵的装甲车辆驾驶模拟训练效果评价.....	薛青, 胡韬, 曹波伟(572)
面向装备作战仿真的数据流分析研究.....	曹波伟, 薛青, 胡韬, 黄一斌(576)
海军航空装备作战仿真环境调整模块设计研究.....	周志恒, 汪兴海, 毕可文(580)
基于CFD的飞行仿真方法研究.....	达兴亚, 沈怀荣, 赵忠良, 陶洋(585)
穿甲弹弹体侵彻钢靶板的数值仿真.....	黄俊卿, 张伟, 杨学会(590)
面向作战仿真的坦克炮长瞄准模型研究.....	李光辉, 盛卫超(594)
基于FFD技术的机翼气动外形优化仿真.....	马晓永, 范召林, 吴文华, 达兴亚(599)
基于复杂网络的武器装备体系结构建模仿真.....	于桓凯, 宋敬华, 张猛, 李果, 孙春(603)
V型轮地球同步卫星姿态控制系统仿真研究.....	吴刚, 何伟平, 仇梦跃(607)
空空导弹末端毁伤效能的仿真评估.....	袁坤刚, 刘登第, 张志伟, 朱金辉, 蒋道刚(612)
便携式地空导弹脱靶量计算软件设计.....	刘虎, 吴豫杰, 王鹏飞, 程彦杰(616)
坦克防御烟幕红外对抗建模.....	高会波, 薛青, 邓青(619)
基于DEA方法的战斗机作战效能评估.....	王阳, 黄俊(622)
基于STKX的空天作战三维可视化研究.....	张志伟, 刘登第, 袁坤刚, 朱金辉, 陈婧, 吴春兰(626)
大型运输机工程飞行模拟器研究.....	隋成城, 谢东来, 张万泽, 姜南(630)
基于SR_UKF的直气复合飞行器试验数据处理研究.....	王晓雷, 何秋茹, 刘东方(634)
固定巡逻线上舰艇巡逻仿真.....	李微波, 傅调平, 刘斌(638)
微小卫星的热分析技术.....	刘绍然, 许忠旭, 张春元, 付仕明(642)

运输机工程飞行仿真建模研究.....	孙振宇, 隋成城, 姜南(647)
弹道导弹飞行过程可视化仿真研究.....	王帅, 陈立云, 刘云龙, 王峰(651)
基于TimeNet4.0的直升机动力与传动系统动态可靠性建模与仿真研究.....	董宾, 徐永成, 汤鹏, 张新鹏(656)
Simulating Computation of the Air Age of the Space Station Cabin.....	Xinming SU, Shiming FU, Yifei PEI(661)
多通道全数字音响仿真技术在飞行模拟器中的应用研究.....	赵广兴, 隋成城, 司华伟, 李宏图(668)
航空深弹弹道视景仿真研究.....	乔冰, 宁波, 陈刚(672)
基于Arena的装备测试流程仿真与优化.....	胡智超, 李革(676)
航天飞行训练模拟器(FTS)可信性概念研究.....	王宝智, 晁建刚, 薛亮, 刘伟波, 王珺珺, 邓华, 常天春(681)
基于弹道仿真的垂直发射地空导弹杀伤区计算方法探析.....	朱少卫, 付玉峻(686)
基于HLA的岸舰导弹装备仿真实验系统设计.....	钟吟, 陈建华, 李刚强(691)
基于PID控制器的导弹稳定控制回路设计与仿真.....	刘真, 张涛(696)
虚拟卫星姿轨控系统并行实时仿真.....	李新洪, 万胜辉, 张永乐(702)
风洞启动对阀门系统瞬时冲击的数值仿真.....	张兆, 王涛(709)
参数化模型在舰艇作战效能仿真评估中的应用.....	石峰, 高兴华, 方志刚(714)
T型尾翼跨声速颤振模型设计与验证.....	吕彬彬, 郭洪涛, 王洪彪(719)
基于多传感器的高轨卫星姿态确定建模与仿真.....	刘翔春, 周伟敏, 廖瑛(723)
推力矢量对飞机敏捷性影响的研究.....	吴玉崮, 张平(727)
警用手枪枪战战术模拟训练研究.....	章小辉(732)
速度追踪制导系统无量纲化研究.....	朱敬举, 杨同泉, 邵云峰(737)
多星多站测控调度问题建模与优化.....	卜慧蛟, 张进, 罗亚中(741)
中继卫星支持交会对接测控弧段仿真分析.....	丁华, 曹正蕊, 何伟平(748)
基于飞行品质的直升机飞行控制系统设计仿真.....	胡海明, 邵宏(754)
卫星体系作战效能仿真方法框架研究.....	张占月, 李颖(759)
一种基于软件实现的雷达回波实时仿真设计.....	马浩(764)
Compass导航信号仿真.....	马立君, 鲁智勇(769)
鱼雷声光复合制导仿真关键技术研究.....	李斌, 郑为, 万亚民(772)
基于KnowBook的高空巡航导弹突防仿真系统设计.....	李炯, 雷虎民, 邵雷, 李国宏(777)
某型地空导弹武器系统三维视景仿真与实现.....	李舰, 段文义, 麻红(782)
行进状态下自行高炮火控系统仿真.....	吕春花, 毛征, 卢青山, 郑利苹(787)
大型运载火箭飞行性能仿真模型体系.....	王晨, 路长刚, 陈爱真(792)
飞行仿真计算精度验证方法研究.....	陈爱真, 路长刚, 吴魁(796)
运载火箭总体数字化闭环仿真验证技术研究与实践.....	李莉, 聂蓉梅, 吴魁(800)
某型武器系统模块划分方法研究.....	赵俊严, 毛保全, 徐礼, 吴永亮(803)
Simulation on Trajectory Generation for a Hovercraft Control with DMOC.....	Weizhong ZHANG, Baiwei GUO(808)
天基激光干扰技术仿真研究.....	熊伟, 陈治科(811)
雷达系统仿真中海面回波图像仿真技术研究.....	方伟, 司聿宣, 苏远兴(817)

第五部分

空战态势评估问题综述.....	周思羽, 吴文海, 高丽, 李翔(823)
-----------------	-----------------------

超临界机翼激波三维鼓包控制参数优化研究.....	刘光远, 陶洋, 陈德华, 孙岩(828)
基于仿真的大锥角等壁厚药型罩结构优化设计.....	魏志芳, 宫丽丽(833)
Predictions of Dynamic Damping Coefficients of Basic Finner Based on CFD...Yang TAO, Xingya DA, Zhongliang ZHAO(837)	
基于MapleSim的永磁同步电机矢量控制仿真.....	孙文军, 阎慧, 高永明, 尹航(841)
一种改进的基于网格的数据分发管理策略研究.....	罗玉华, 左军, 崔玉林(846)
基于场强预测的短波信噪比和信干比工程估算.....	张海勇, 徐池, 黄晓飞(851)
无人机抗风性研究.....	刘晓刚, 宋国寿(856)
基于FEM格式的二维三温辐射热传导方程组的并行预条件子.....	郭美珍, 张瑗(860)
飞机模拟器一体化机械仪表驱动控制研究.....	司华伟, 隋成城(864)
微小型企业开业咨询服务GIS系统的分析与开发—以宜昌市为例.....	冯德鸿, 彭代军, 刘晓丽(868)
人类视觉智能启发的粒子滤波视觉目标跟踪算法.....	朱明清, 赵宇宙, 王智灵, 陈宗海(871)
基于网格技术的装备保障异构数据集成研究.....	关冰兵(880)
基于有限元法的MRI永磁体结构优化.....	武海澄, 杨仕友, 李璟(885)
面向紊流激励响应的颤振亚临界预测方法.....	郭洪涛, 路波, 吕彬彬, 余立(888)
基于星间相对距离信息的集群航天器相对轨道确定.....	胡敏, 曾国强, 姚红(894)
空间对地观测系统的信息获取能力评估研究.....	李颖, 张占月, 陈庆华(898)
海战情报获取能力评价研究.....	李雪飞, 孙永侃, 熊正祥, 林宗祥(903)
RBF神经网络PID控制在循环水系统中的应用研究.....	谭万禹, 宫锋, 孟祥萍, 赵亮(907)
移动机器人定位方法研究综述.....	王鹏, 李书杰, 陈宗海(911)
基于生物视觉的物体识别方法研究现状分析.....	郭明玮, 朱明清, 赵宇宙, 王建, 陈宗海(916)
浅海主动声纳信号半波束处理和相位滤波技术研究.....	刘建萍(924)
地面防空兵混编群动态目标分配问题研究.....	阳林, 刘付显, 王磊(930)
基于含时切割平面和区域协方差描述子的跳跃行为识别方法.....	王建, 朱明清, 赵宇宙, 郭明玮, 陈宗海(935)
基于椭球面大地线三角网的CORS布站研究与仿真.....	刘广军, 郭晶, 刘旭东(942)
一种基于强化学习的交通网络绿波协调控制方法.....	项俊平, 李书杰, 陈宗海(947)
异构视频服务系统集成与调度策略研究.....	赵宏, 申超(952)
航天测控资源调度问题与方法研究.....	李钊, 杜红梅(957)
基于风洞试验的超临界翼型雷诺数效应研究.....	刘大伟, 陈德华, 王元靖(962)
动力锂电池组均衡方法综述与分析.....	刘兴涛, 何耀, 陈立, 张陈斌, 陈宗海(968)
基于仿真的区域防空部署方案评估.....	阳林, 刘付显, 王磊(974)
基于复杂适应系统推演的方案评估.....	李翼鹏, 朱江, 许长朋(979)
一种改进的粒子滤波视频跟踪算法.....	王立琦, 陈海云, 燕小强(984)
车辆自适应巡航控制的BackStepping方法研究与仿真.....	赵越南, 刘志远(988)
采用扩展线性化方法设计高超声速飞行器飞控系统.....	曹健, 张平(993)
基于区域协方差描述子的视频静止目标检测.....	张静茹, 何耀, 刘兴涛, 朱明清, 陈宗海(997)
基于卫星图像的行车最优路线策略研究.....	陈永环, 王智灵, 朱明清, 王建, 陈宗海(1002)
基于TL431反馈补偿的风光互补功率跟踪控制技术研究.....	王智灵, 何淼, 辛煜, 陈宗海(1007)
基于Joint EKF的动力锂电池SOC估计策略.....	何耀, 刘新天, 刘兴涛, 陈立, 张陈斌, 陈宗海(1013)
轨道交通系统运行安全评估的安全域估计方法框架研究.....	张媛, 秦勇, 贾利民, 刘萍(1018)
基于Internet-PC的机械臂网络远程控制系统的解决方案.....	丛爽, 周海燕(1023)

A Classification-Based Search Method for Generating Large-Scale Robot Formation.....	Xingnan ZHANG, Fan OUYANG, Chunlin CHEN(1029)
.....
基于径向基网络的电气设备故障诊断及仿真研究.....	吴宏岐(1034)
图像模糊处理在雷达噪声仿真实现中的应用.....	徐彦明, 李舰, 段文义, 尹健(1037)
基于仿真的模块配置方案评价方法研究.....	周世海, 王文辉, 刘洪田, 李龄(1041)
拓扑特征对卫星网络传输效能的影响.....	林琪, 李智, 周锐(1046)
电动汽车动力锂电池组电源管理系统研究.....	陈立, 卢雪梅, 方明杰, 何耀, 刘兴涛(1051)
数字化战场中雷达探测区域可视化技术研究.....	董凯, 李伟明, 姜本清, 方伟(1056)
分块式空间望远镜的合像控制与仿真.....	郭百巍, 张永亮, 丁久辉, 陈珊(1063)
基于统计模型的动力电池静态配组过程分析.....	张陈斌, 陈宗海(1068)

第六部分

离散事件与基于智能体的集成模拟研究.....	王缓缓, 胡斌, 石永(1072)
基于非平稳泊松到达的食堂就餐模型仿真与优化.....	张忠山, 卢晓军(1078)
一种基于事件逻辑分析的作战仿真可信性评估方法.....	孙明, 张申, 马亚龙(1084)
交通运输规划与管理领域微观仿真软件的现状及未来发展.....	何世伟, 刘杰(1088)

第七部分

不确定性知识的定性定量表达方法分析与展望.....	李书杰, 陈宗海(1095)
基于粗糙集理论的C4ISR评估方法.....	刘永红, 薛青, 郑长伟(1104)
基于辛普森积分公式优化的灰色预测模型.....	刘侃, 田鑫鑫(1108)
Study on the Forecast Model of Road Traffic Accident with Gray Theory.....	Haiyang YU, Wentao HAN(1112)
小样本试验中验前数据与现场数据相容性检验方法研究.....	郭荣化, 李勇(1115)
基于不确定性的飞机方案技术可行性分析.....	孙康文, 刘东旭, 陶国权, 黄俊(1122)
基于环境剖分的移动机器人层次地图.....	李书杰, 韩盛, 陈宗海(1127)
Research of Discriminating Driver Accident Proneness Based on Fuzzy Clustering.....	Zhiye YUAN, Renjun ZHAN(1132)
基于定性推理软件的定性仿真实验研究.....	韩安媛, 吕平, 于波涛(1136)
移动机器人导航的信息融合技术分析 with 展望.....	韩盛, 李书杰, 陈宗海(1141)
基于离散模糊动态贝叶斯网络的空间目标威胁评估.....	李丹, 于小红, 王敏(1147)
Research on Target Assignment Method Based on Discrete Fuzzy Dynamic Bayesian Network.....
.....Dan LI, Xiaohong YU, Suyi YUAN(1150)

第八部分

张力卷取机卷筒定位技术的研究与实现.....	张宏, 于贺宝(1155)
MapX控件及其在地理信息系统开发中的应用.....	李怡勇, 沈怀荣, 周伟静(1158)
美军网络战概念辨析.....	孟凡松, 韩沂宁(1162)
一种数字信号处理方法在数据预处理中的应用研究.....	张国卿, 马亚龙, 同兰娟, 孙明(1167)

基于柔性位移缩小机构的微夹持器研究.....王帅，苏刚，李洪谊(1170)

Method for Assessing the Risks of a Driver’s Decision-Making Errors.....Lingfeng MEI, Wentao HAN(1175)

基于CORTEX-M3内核的高速采集系统设计和应用.....郭言平，陈宇(1178)

三代神经网络发展及其哲学思考.....刘勃，应隼，马小妹(1183)

基于自主智能体的高分辨率遥感影像平行道路提取.....张素莉，潘欣，李晓峰，孟祥萍(1187)

混合编程技术在隔震结构分析软件开发中的应用.....党育，赵宏(1193)

基于时频分析的海底沉积物类型分类技术研究.....朱艳，鲁辛凯(1197)

光伏发电系统中的直流变换器综述.....辛煜，王智灵，何淼，陈宗海(1201)

网络环境下实现STK/Connect模块外部实时数据驱动的技术研究.....孙海忠，仇梦跃，黄霄腾，何伟平(1207)

基于VHDL语言的脉冲占空比可调电路设计与仿真.....赵华瑾，马立君(1213)