1. Record Nr. UNISA996386645903316

Autore	Turner W (William), <fl. 1687-1701.>
Titolo	An almanack for the year of our Lord God 1690 [[electronic resource]] : being the second after bissextil or leap-year, and from the creation 5690 : calculated for the meridian of the centre or middle of England, whose latitude is 54 deg. and therefore far more usefull for the kingdom in general, than any other extant / / by W. Turner .
Pubbl/distr/stampa	London, : Printed by J. Heptinstall for the Company of Stationers, 1690
Descrizione fisica	[40] p
Soggetti	Almanacs, English Astrology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Running title: Turner. Reproduction of original in the Bodleian Library.
Nota di contenuto	(from t.p.) 1. A description of England, and a general tide-table -- 2. A chronology ... -- 3. The sun's rising, setting, length of the day & night ... -- 4. The change, full and quarters of the moon ... -- 5. Choice rules for husbandry and gardening -- 6. Presidents for making bills, bonds, wills, leases, &c. -- 7. Tables for interest of money ... -- 8. To measure and set out land -- 9. To gauge vessels -- 10. And to find the hour of the day by the sun.
Sommario/riassunto	eebo-0014

2. Record Nr. UNISA996503564103316

Titolo	Methods and applications for modeling and simulation of complex systems . Part I : 21st Asia Simulation Conference, AsiaSim 2022, Changsha, China, December 9-11, 2022, proceedings / / Wenhui Fan [and three others]
Pubbl/distr/stampa	Singapore : , : Springer, , [2022] ©2022
ISBN	981-19-9198-7
Descrizione fisica	1 online resource (647 pages)
Collana	Communications in Computer and Information Science
Disciplina	003.3
Soggetti	Computer simulation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Preface -- Organization -- Contents - Part I -- Contents - Part II -- Modeling Theory and Methodology -- Research on Reuse and Reconstruction of Multi-resolution Simulation Model -- 1 Introduction -- 2 Related Works -- 3 Methodology -- 3.1 Maxsim Simulation System and Model Analysis -- 3.2 Analysis of Mozi Joint Operation Deduction System -- 3.3 Analysis of Mo Subsystem Model Based on Maxsim Model -- 4 Effect Model Reconstruction Based on Machine Learning -- 4.1 Overall Idea of Model Reconstruction Based on Machine Learning -- 4.2 Research on Model Reconstruction Method Based on Neural Network -- 4.3 Introduction of Model Reconstruction Based on Neural Network -- 5 Prototype System and Typical Application Case Verification -- 5.1 Background of Case -- 5.2 Validation Process of Case -- 5.3 Analysis of Case Validation Results -- 6 Conclusion and Future Works -- References -- Simulation Experiment Factor Screening Method Based on Combinatorial Optimization -- 1 Introduction -- 2 Experimental Factor Screening Problem Description and Optimization Method Selection -- 2.1 Experimental Factor Screening Mathematical Description -- 2.2 Optimization Algorithm Selection -- 3 A Method for Evaluating the Importance of Experimental Factor Subsets -- 3.1 Support Vector Machine Model Derivation -- 3.2 Support Vector Machine Model Solving -- 4 Factor Screening Method

and Validation -- 4.1 Factor Screening Method -- 4.2 Case Study -- 5 Conclusion -- References -- Development of a Generic Mesh Converter for Numerical Simulations -- 1 Introduction -- 2 Diversity in Commonly Used Mesh Models -- 2.1 Formats of Mesh Data -- 2.2 Representation Capability of Mesh Models -- 3 Design of the Neutral Mesh Model -- 3.1 Representation of Mesh Entities -- 3.2 Mesh Data Structure -- 4 Implementation of the Mesh Model and Conversion Interfaces -- 5 Validation.
5.1 Conversion Correctness -- 5.2 Conversion Scalability -- 5.3 Conversion Comparison with Hypermesh -- 6 Concluding Remarks -- References -- Design and Development of a Simulation Model Validation Tool -- 1 Introduction -- 2 Simulation Model Validation Tool -- 2.1 Main Functions -- 2.2 Architectural Design -- 2.3 Main Interfaces -- 2.4 Workflow -- 3 Case Study -- 3.1 Model and Data -- 3.2 Validation of Static Performance Parameters -- 3.3 Validation of Dynamic Performance Parameters -- 4 Conclusions -- References -- Research on Graphical Modeling and Simulation Method of Control System Based on Python -- 1 Introduction -- 2 Hierarchical Model System Design of Control System -- 2.1 Basic Models -- 2.2 Professional Models -- 2.3 Models for Extension -- 3 Description and Parsing of Directed Graph Models of Control Systems -- 3.1 Parsing of Directed Graphs of Control Systems -- 3.2 Control System Based on Directed Acyclic Graph Model Description -- 3.3 Control System Based on Directed Cyclic Graph Description -- 4 Modeling and Simulation of Control Systems -- 4.1 Simulation of Low Power Servo System -- 4.2 Temperature Simulation of Hydraulic Circuits -- 5 Conclusion -- References -- Continuous System/Discrete Event System/Hybrid System/Intelligent System Modeling and Simulation -- One-Dimensional Photonic Crystal Filter with Multiple Defect Layers Based on Particle Swarm Optimization -- 1 Introduction -- 2 Theoretical Formula -- 3 Discussion on Defect Layer of Photonic Crystal -- 3.1 Photonic Crystal Structure with One Defect Layer -- 3.2 Photonic Crystal Structure with Two Defect Layers -- 3.3 Photonic Crystal Structure with Three Defect Layers -- 4 Photonic Crystal Filter Design -- 4.1 Particle Swarm Optimization Algorithm -- 4.2 Dual-Channel Narrow-Band Filter Design -- 5 Conclusion -- References.
Linear Constant Discrete System Based Evaluation of Equipment System-of-Systems -- 1 Introduction -- 2 Modeling and Analysis of Equipment System-of-Systems -- 2.1 Fundamental -- 2.2 Modeling of Equipment System-of-Systems -- 2.3 Analysis of Equipment System-of-Systems -- 3 Evaluation Method and Models -- 3.1 Capability Evaluation -- 3.2 Cost Evaluation -- 4 Evaluation Examples -- 4.1 Model of Air Defense Equipment System-of-Systems -- 4.2 Evaluation Results of Air Defense Equipment System-of-Systems -- 5 Conclusions -- References -- Online Identification of Gaussian-Process State-Space Model with Missing Observations -- 1 Introduction -- 2 Problem Formulation -- 2.1 State-Space Model -- 2.2 Mathematical Description -- 3 Online Bayesian Inference and Learning with Missing Observations -- 3.1 SMC for State Inference -- 3.2 Inference the Unknown Parameters -- 3.3 Algorithm Introduction -- 4 Numerical Example -- 5 Conclusion -- References -- Complex Systems and Open, Complex and Giant Systems Modeling and Simulation -- System Identification of Nonlinear Dynamical System with Missing Observations -- 1 Introduction -- 2 Modeling -- 2.1 Basis Function Expansion of State-Space Model -- 2.2 Connection to the GP -- 2.3 Problem Formulation -- 3 Particle Filter with Missing Output Observations -- 4 Posterior of the Unknown Parameters -- 5 Numerical Example -- 6 Conclusion -- References -- Parameter Identification

of Nonlinear Systems Model Based on Improved Differential Evolution Algorithm -- 1 Introduction -- 2 Problem Description -- 3 Differential Evolution Algorithm -- 3.1 DE Algorithm Principle -- 3.2 Improved Differential Evolution Algorithm -- 3.3 IDE Algorithm Performance Test -- 4 Application of IDE Algorithm in Thermal System Model Parameter Identification -- 5 Conclusion -- References.
Research and Implementation of Model Engineering Environment Integration Based on OpenMBEE -- 1 Introduction -- 2 Unified Authentication Method Based on Extended Services -- 2.1 Three-Layer Service Framework -- 2.2 Authentication Interface Design Based on RabbitMQ -- 3 Integration and Collaboration of User Interaction Data -- 3.1 Collaborative Strategy of Presentation Layer -- 3.2 Layer and Persistence Layer Design in Collaboration Strategy -- 3.3 User Interaction Process Based on Three-Layer Collaboration -- 4 Experiment and Analysis -- 4.1 Verifying the Unified Identity Authentication Policies -- 4.2 Verification of User Interaction Data Collaboration -- 5 Conclusion -- References -- Research on the Construction Method of Digital Twins of Complex Products -- 1 Introduction -- 2 Components of Digital Twins of Complex Products -- 3 Construction Process of Digital Twins of Complex Products -- 4 Carrier Form of Digital Twins of Complex Products -- 5 Conclusion -- References -- A Portable Radar Jamming Simulation System Used for Flight Mounted Target -- 1 Introduction -- 2 Overview of the Jamming Simulation System -- 3 Jamming Signal Generation Method and Its Digital Simulations -- 4 Conclusion -- References -- A Decoupling Design Method of Compensated Active Disturbance Rejection Control for Multivariable System -- 1 Introduction -- 2 Compensated Active Disturbance Rejection Control -- 2.1 Design of Regular ADRC -- 2.2 Design of Compensated ADRC -- 3 Decoupling of Compensated ADRC for Multivariable System -- 4 Simulation Experiment -- 4.1 Setpoint Step Experiment -- 4.2 Monte Carlo Experiment -- 5 Conclusions -- References -- Integrated Natural Environment and Virtual Reality Environment Modeling and Simulation -- Performance Degradation of Multi-level Heterogeneous Middleware Communication in Virtual-Reality Simulation -- 1 Introduction.
2 The Simulation Framework -- 2.1 The Resources in Virtual Space -- 2.2 The Resources in Physical Space -- 2.3 Layered Model of the Virtual-Reality Simulation System -- 3 Communication Mode and Index of the Simulation System -- 3.1 Delay -- 3.2 Packet Loss Rate -- 3.3 Jitter -- 4 Evaluation -- 4.1 Experimental Environment and Configuration -- 4.2 Test Methods for Network Performance Parameters -- 4.3 Experimental Results and Analysis -- 5 Conclusion and Future Work -- References -- An Adaptive Low Illumination Color Image Enhancement Method Using Dragonfly Algorithm -- 1 Introduction -- 2 Principles of DA and Color Space -- 2.1 Dragonfly Algorithm -- 2.2 Color Space -- 3 The Proposed Method -- 3.1 Piecewise Sine Function -- 3.2 Brightness Enhancement Based on DA -- 3.3 Saturation Enhancement -- 4 Experimental Results and Analysis -- 4.1 Qualitative Evaluation -- 4.2 Quantitative Evaluation -- 5 Conclusion -- References -- Target Recognition Method Based on Ship Wake Extraction from Remote Sensing Image -- 1 Introduction -- 2 Mathematical Description of the Kelvin Wake of Ships -- 3 Kelvin Wake Correction Based on Ship Characteristics -- 4 Kelvin Wake Extraction Based on the Hough Transform Algorithm -- 5 Target Identification Example -- 5.1 Target Wake Simulation -- 5.2 Actual Target Kelvin Wake Extraction -- 6 Conclusion -- References -- Opacity-Gradation-Based Visualization of Vortices for Large-Scale Ocean Simulation -- 1 Introduction -- 2 Experimental Data -- 3 Methods -- 3.1 Visualization

Method -- 3.2 Velocity Variance -- 3.3 Opacity Gradation -- 4 Visualization Experiments and Considerations -- 4.1 Vortices and Velocity Distribution -- 4.2 Vortices and Salinity Distribution -- 4.3 Vortices and Water Temperature -- 4.4 Vortices and Tidal Fluctuations -- 4.5 Vortices on the Seafloor and Submarine Topography. 4.6 Vortices Calculated by Normalized Flow Velocity.