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Titolo	Computer-aided design, manufacturing, modeling and simulation IV : selected, peer reviewed papers from the 4th International Conference on Computer-Aided Design, Manufacturing, Modeling and Simulation (CDMMS 2014), September 13-15, 2014, Chongqing, China // edited by Maode Ma and Xilong Qu
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Nota di contenuto	Computer-Aided Design, Manufacturing, Modeling and Simulation IV; Preface, Committees and Reviewers; Table of Contents; Chapter 1: Advanced Developments of CAx, Modelling and Simulation Technologies in Manufacturing; Weld Seam Edge Detection Based 2D Maximum between-Cluster Variance and Genetic Algorithm; Solid Modeling and Optimization Design of Crank Rocking Flying Shear; Research on the Separation Performance of Deoiling Hydrocyclones; Design of Hydraulic Descaling Computer Control System; Object-Oriented Program Tailoring Based on Model Research of Collaborative Simulation Modeling of High-Speed Machine Tools Research on Modeling Design in Composite Molding; Study on Form Process of Resin Composite Material and Graphic Artist Designer; Simulation on Mechanic Behavior of Steel and Concrete Composite Beams; Research on Structure and Lightweight of Automobile Seats; Research on Integrated Simulation of Space Robot Mission; Numerical Simulation Analysis of Smoke Control and Flow for Large Building Fire; Analysis of Numerical Simulation and Performance Prediction in

Centrifugal Pump for Warship

Analysis on Stamping Forming Simulation and Springback Control of High-Strength Steel Auto-Body Panels Study on the Processing and Simulation of End-Gear Based on CNC Theory; Numerical Simulation of Heat Pipe Heat Exchanger in Dedicated Ventilation System; Simulation Research on Nonlinear Vehicle Handling Inverse Dynamics; Chapter 2: Advanced Technologies in Modeling, Simulation, Analysis and Design of Various Modern Industries; Numerical Analysis and Research on the Profile Bending; Improved Clustering Algorithm of Spatial Data Structure Based on Matlab Simulink

Real-Time Monitoring System for Moving Object Model Based on Matlab Simulation Simulation and Prediction of Signal Processing in Communication Terminal Based on Grey Algorithm; Chaotic Modeling Design of LOCKSS Digital Resources Based on Neural Network Model; Key Technology of Physical Dynamic Simulation Based on Virtual Reality; Mold Design and Processing Simulation Software Engineering Based on Creative Industry Pattern; Emergency Supplies Demand Forecasting Model; Research on Seismic Design and Modeling of City Viaduct

Research on Integration Model of Urban Spatial Layout and Traffic Demand Analysis on Financial Support Efficiency of Strategic Emerging Industries Based on DEA - Tobit Model; Watch the Performance of Traffic Rules from a Microscopic Perspective; Storage Functions of Motion Sensing Images Based on the Environment of Cloud Computing; Simulation Experiment of Physical Energy Based on Data Mining Technology; Platform Development of Wushu Data Mining Based on B/S Architecture; Acquisition System Construction of Travel Information Based on Wireless Sensor Network
Research on Service Capability Based on Data Mining

Sommario/riassunto

Collection of selected, peer reviewed papers from the 4th International Conference on Computer-Aided Design, Manufacturing, Modeling and Simulation (CDMMS 2014), September 13-15, 2014, Chongqing, China. The 227 papers are grouped as follows: Chapter 1: Advanced Developments of CAx, Modelling and Simulation Technologies in Manufacturing, Chapter 2: Advanced Technologies in Modeling, Simulation, Analysis and Design of Various Modern Industries, Chapter 3: Information System Design and Development, Networks Applications, Modern Methods of Intelligent Automation, Data Mining and Processing, Chapter
