# Table of Contents

Committees, Reviewers and Preface

## Part 1

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CDMA Multiuser Detection Based on Improved Particle Swarm Optimization Algorithm</strong></td>
<td>N.P. Liu, F. Zheng and K.W. Xia</td>
<td>3</td>
</tr>
<tr>
<td><strong>Flutter Analysis of Compressor Blade Based on CFD/CSD</strong></td>
<td>J. Cai, Q.Z. Xu and Z. Wang</td>
<td>8</td>
</tr>
<tr>
<td><strong>Code Reuse in Gene Expression Programming</strong></td>
<td>Q. Li, M. Yao, W.H. Wang and Y.Y. Du</td>
<td>13</td>
</tr>
<tr>
<td><strong>On Stability of Neutral Systems with Time-Varying Delay</strong></td>
<td>M.L. Tang and X.G. Liu</td>
<td>22</td>
</tr>
<tr>
<td><strong>Periodic Solutions for a Kind of Second Order Differential Equation with Multiple Delays</strong></td>
<td>M.L. Tang and X.G. Liu</td>
<td>27</td>
</tr>
<tr>
<td><strong>Research on Impedance Characterization of Triple-Layer Piezoelectric Bender</strong></td>
<td>L.J. Gong and J.Q. Li</td>
<td>32</td>
</tr>
<tr>
<td><strong>Acoustic Source Localization via Advanced TDoA for Self-Organization Wireless Sensor Networks</strong></td>
<td>X.Y. Li, L.L. Ci, G.Y. Ge and D.W. Li</td>
<td>42</td>
</tr>
<tr>
<td><strong>A (t, n) Threshold Signature Scheme Based on Factorial Decompose Theorem of Polynomial</strong></td>
<td>Y.Q. Cai and F.L. Cheng</td>
<td>49</td>
</tr>
<tr>
<td><strong>A Smooth Flow of Traffic Circle Model</strong></td>
<td>N. Ji, J. Zhang and Y. Gao</td>
<td>54</td>
</tr>
<tr>
<td><strong>Modal Analysis of Magnetic Suspended Control Moment Gyroscope</strong></td>
<td>W. Zhao, L.B. Zhao, J.Y. Zhang and B.C. Han</td>
<td>59</td>
</tr>
<tr>
<td><strong>Set Pair Social Network Analysis Model</strong></td>
<td>H.M. Yang, C.Y. Zhang, R.T. Liang and F. Tian</td>
<td>63</td>
</tr>
<tr>
<td><strong>Optimal Design of the Vertical Machining Center Based on Stiffness Analysis</strong></td>
<td>Y.M. Zhao, Z.J. Wu, J.F. Zhang, P.F. Feng and D.W. Yu</td>
<td>68</td>
</tr>
<tr>
<td><strong>Novel Design for a Biomimetic Water-Jetting Propulsion Vehicle Actuated by SMA Wires</strong></td>
<td>Y.W. Wang, Z.L. Wang, J. Li and F. Gao</td>
<td>73</td>
</tr>
<tr>
<td><strong>A Fuzzy Concept Similarity Measure Based on Lattice Structures</strong></td>
<td>L.D. Wang, D.X. Gong and X. Wang</td>
<td>78</td>
</tr>
<tr>
<td><strong>A Method of DEL Resources Matching DEL Needs</strong></td>
<td>S.Q. Liu and L.Y. Zhang</td>
<td>83</td>
</tr>
<tr>
<td><strong>The Plastic Work Curvature Criterion in Evaluating Gross Plastic Deformation for Pressure Vessels with Conical Heads</strong></td>
<td>M. Zehsaz, F.V. Tahami and Y.A. Gandomi</td>
<td>93</td>
</tr>
<tr>
<td><strong>Study on the Effects of Train Live Loads on Isolated and Non-Isolated Simply Supported Railway Bridges</strong></td>
<td>C.Y. Zhang, T.Y. Zhong, K.J. Chen and Y.K. Gong</td>
<td>100</td>
</tr>
<tr>
<td><strong>Study on the Impact of Lead-Rubber Bearing Parameters on Seismic Responses of Seismically Isolated Pier</strong></td>
<td>Y.Q. Xu, T.Y. Zhong, W.G. Ji and X. Li</td>
<td>105</td>
</tr>
</tbody>
</table>
Robust Control for a Class of Nonlinear Systems Based on Backstepping
N.B. He and Q. Gao 110

Numerical Simulation of Mechanical Behavior on Landslides Triggered by Heavy Rainfall
Z.Q. Ni, J.M. Kong and F.Y. A 115

Impact and Control of Environmental Vibration on Precision Instruments
Z.W. Gu, T.Y. Zhong, M.B. Zhang and K. Zhang 120

Assessment of the Performance of Modal Based Decoupling Method in Identifying Structural Joints Characteristics
K. Jahani and A.S. Nobari 125

Construction Method of Fuzzy Attribute Information System Based on DEA and Attribute Reduction
Y.K. Li 130

Study of Parameters Optimization on Seismic Isolated Railway Bridges
T.Y. Zhong, C.Y. Xia and F.L. Yang 135

Analysis of Fault Tree Base on Uncertain Optimistic Value
J.J. Liu and Y.F. Ning 140

Research on E-Commerce Platform and Modern Logistics Management System Based on Knowledge Management Platform
X.H. Cao and F.Z. Wang 145

Chance-Constrained Programming EOQ Model Based on Uncertain Measure
L.X. Rong 150

Analysis on Ecological Principles in Macau Urban Design
Y. Wu and F. Vizeu Pinheiro 155

Analyzing the Vibration System with Time-Varying Mass
Y. Zhu and S.L. Wang 160

A Small-World Model of Scale-Free Networks: Features and Verifications
W.J. Xiao, S.Z. Jiang and G.R. Chen 166

The Design of E-Yuan Home Multimedia System
W.C. Feng 171

Strongly Ding Projective, Injective and Flat Modules
J.M. Xing 176

Incomplete Concept Lattice Data Analytical Method Research Based on Rough Set Theory
J.P. Wang, B.X. Liu, Z.D. Li and L.C. Feng 180

Positive Solutions for the nth-Order Delay Differential System with Multi-Parameter
Q.Y. Lu and W.P. Zhang 185

Least Squares Skew Bisymmetric Solution for a Kind of Quaternion Matrix Equation
S.F. Yuan and H.D. Cao 190

Study on the Adaptability of Staining Method for Acoustic Field Measuring in Ultrasonic Processing
K.H. Zhang, G.F. Wang and S. Lu 195

Simulations of Natural Vibration Characteristics of Large-Size Radial Gate with Three Arms Considering Fluid-Solid Coupling
J.L. Liu, X. Fang, Z.Z. Wang and D.X. Sun 200

The Influence of the Voltage Slope to the Homogeneous Multiple-Pulse Barrier Discharge at Atmospheric Pressure
P. Xie, Y.L. Liu and S.Y. Cui 205

A Study on the Acceptance and Use of Handheld E-Book Readers
J. Ma 209

Fuzzy Vibration Control of Flexible Solar Panel Using Piezoelectric Stack
R. Xu, D.X. Li and J.P. Jiang 214

A Biomimetic Squid Funnel Actuated by Shape Memory Alloy Wires
Z.L. Wang, F. Gao, Y.K. Wang and C. Guo 219

Convergence Theorems for Accretive Operators in Banach Spaces
Y. Guo, J.W. He and Y.M. Yang 224

The Working Principle of Multi-Layer Electromagnetic Screens and the Dynamics Analysis
W.S. Liu and J.L. Zhang 229
Stability Analysis of Finite Element Method for Stokes Problem on Overlapping Non-Matching Grids
K. Deng and Q.S. Wang

Estimation of Origin-Destination Matrix with Tolling Data
H. Wang and X.N. Zhang

A Important Property on Planar Graph
N.N. Li, S.J. Wang and X.R. Meng

Vacuum Casting Automatic Control System Based on Configuration Software
J. Huang, Y.Y. Liu, H.G. Zhang, Z.F. Chi and Q.X. Hu

A Hyperchaotic System and its Synchronization via Scalar Controller
W.C. Dai and Z.F. Cheng

Generalized Projective Synchronization for a Class of Continuous Chaotic Systems
Y.F. Zhou and D. Zhang

Solving Two-Person Zero-Sum Game by Matlab
Y.M. Yang, Y. Guo, L.C. Feng and J.Y. Di

Effects of Overburden on Deformation and Failure of Anti-Dip Slopes under the Action of Seismic Load

Preliminary Discussion on the Applications of Cloud Computing in the Bank System
Z.Q. Huang, J.L. Zhang and H.Z. Zhou

A Novel Heat Sink for High Power Light Emitting Diode-Phase Change Heat Sink

Aggregate Constraint Homotopy Method for Nonlinear Programming on Unbounded Set
Y. Xiao, H.J. Xiong and Z.G. Yan

Some Properties of BSDEs Driven by a Simple Lévy Process with Continuous Coefficient

Infinite Time Interval BSDEs Driven by a Lévy Process

Study on Simulation and Optimization of the Road Rush-Repair Model after Disaster
T.Z. Zhang and Y.M. Lu

An Intelligent Feature Selection Method Based on the Bacterial Foraging Algorithm
D.Y. Liang and W.K. Zheng

Dynamic Instability Mechanism and Vibration Control of Radial Gate Arms
J.L. Liu, Z.Z. Wang, X. Fang and H.M. Fang

Experimental Study on Collaborative Work Performance of Multi-Functional Vibration-Absorption Structure to Enclosing Wall
M.S. He, G.J. Shi and J.W. Zheng

Analysis on the Influence Factors of Multi-Functional Vibration-Absorption Enclosure Wall Structures
M.S. He, J.W. Zheng and G.J. Shi

Stocks Network Analysis Based on Visualization
W.S. Lan, G.H. Zhao and L.J. Hou

Vibration of Double Cable Suspension Bridge under Vehicle Load
N.H. Ding, L.X. Lin and W.H. Liao

Optimize Fundamental Matrix Estimation Based on RANSAC
J. Zhou

Chasing Models under Different Conditions in Anti-Smuggling Problem
J.L. Cao and X.L. Guo

Coupling Acoustic Analysis of Enclosure Consisting of Multi-Flexible Plates and its Active Structural Acoustic Control
L.N. Gu and N. Chen

Study of Dry Sliding Friction and Wear Characteristic of High-Speed Steel/ Ti₆Al₃V Alloy under Direct Steady Magnetic Field
Y.H. Wei, Y.Z. Zhang and Y. Chen

A Maturity-Based Adaptive Ant Colony Optimization Algorithm
H.N. Wang, S.Q. Sun and B. Liu

An Effective Grid Resource Management Model Based on Cloud Computing Platform
Y. Zhang and Y.X. Pei
Design for Automatic Cone-Shaped Dynamic Traditional Chinese Medicine Extraction Equipment
B. Liu and H.N. Wang 363

Study of Milling Force in High Speed Milling Carbon Fibre Reinforced Plastics (CFRP) Using Diamond Tool
D. Liu, H.Y. Wang, H.H. Xu and C.Y. Zhang 368

Generalized Refinable Function Vectors with Hermite Interpolating Property
L.B. Cheng 372

A Note on \(q\)-Derivative Operator and Divided Difference
F. Cui 377

Simulation of General 3D Virtual Stochastic Road Model
M. Lin, X.W. Zhang and S.Y. Cheng 382

Searching Best Strategies Algorithm for the No Balance Assignment Problem
M.Y. Fang, M.L. Wang and Y.M. Bi 386

Hermitian Solutions to a Quaternion Matrix Equation
N. Li, J. Jiang and W.F. Wang 391

Crack Pattern and Ductility of Connections Composed of CSSEUHSC Columns and SEC Beams under Cycle Loads
C.W. Yan, J. Zhang and J.Q. Jia 396

Kinematic/Dynamic Simulation of Gear System of Tunnel Boring Machine
L.D. Zhu, H.F. Zhao, M.L. Zhang and W.S. Wang 400

Principal Component Analysis the Economy of Shanghai in 2010

Game Analysis of Preventing Conspiracy in Construction Project
L.C. Feng, C.F. Liu, S.H. Yan, A.M. Yang and J.P. Wang 409

Incentive Contract Designing of Preventing Conspiracy in Construction Project
L.C. Feng, Z.Y. Liu, X.H. Wan, J.G. Qu and Y.M. Peng 414

A Review on Development Course of Formula for Roots of Equation
X.H. Ma, F.T. Yue, S.J. Yuan and D.M. Li 418

Solution to China’s GDP Prediction Problem by BP Neural Network
J. Li, Y.F. Ya and H.M. Wu 423

Research of Genetic Algorithm for Parabolic Equation Inverse Problem
Y.M. Peng, G.C. Zhou and H.J. Zhao 428

Convergence Theorems for a Finite Family of Strictly Asymptotically Pseudocontractive Mappings in Q-Uniformly Smooth Banach Spaces
H.C. Zhang, A.M. Yang, Y.M. Peng and J.G. Qu 432

The Study of the Brake Test Bench Model
Y.H. Cui, B.F. Li, J.G. Qu and Z. Wang 437

The Study of the Competition Model of Portal and Search Engine
J.G. Qu, D.H. Wang, Y.H. Cui and Y.M. Peng 442

Improved Tikhonov Regularization Research and Applied in Inverse Problem
Y.M. Peng, K.L. Wang and H.C. Zhang 447

Solution to China’s GDP Prediction Problem by BP Neural Network

Numerical Method Research of Partial Differential Equations Inverse Problem
Y.L. He, Y.M. Peng and L.C. Feng 455

Tikhonov Regularization Solve Partial Differential Equations Inverse Problem
Y.L. He, S.Q. Zheng and Y.M. Yang 459

Research on the Model of Positioning System and its Application
D.C. Jin, X.L. Meng and H.M. Wu 463

Research on a Single Camera Location Model and its Application
C.F. Liu, S.S. Kong and H.M. Wu 468

Research of Binocular Positioning Mathematical Model Based on the Least Square Method
C.F. Liu, X.L. Meng and H.C. Zhang 473

Research and Application on the Fixation Task Model of the Doubled-Sight Digital Camera
A.M. Yang, W.J. Zhang, H.H. Chen and H.M. Wu 478

Canny Edge Detection Method and its Application
Y.B. Liang, X.L. Meng and S.J. An 483
### Part 2

- **Analysis on the Dynamic Responses of the Broken Conductors in Transmission Lines**
  F.L. Yang and J.B. Yang  
  511

- **Analysis of Subsynchronous Oscillation in a Multi Turbo-Generator Sets Power System Based on Electromechanical Wave Model**
  C.B. He, Z.Y. Wang and J. Shen  
  516

- **A Heuristic Resource Management Method in Grid Computing Environment**
  X.M. Fang  
  521

- **An Efficient Resources Management Model and Task Scheduling Algorithm in Grid Computing**
  X.B. Gao  
  526

- **Research on Network Security and Data Encryption**
  Z.Q. Duan and X.F. Xue  
  531

- **Dynamic Response of Supercavitating Underwater Vehicle Impacted by Tail-Slap Force**
  Q.K. He, J.Z. Zhang, Y.J. Wei, C. Wang and W. Cao  
  536

- **Normal Stress between Steel Wires in the Stay-Cable**
  G. Zheng and H. Li  
  541

- **Experimental Evaluation of the Seismic Performance of Circular Reinforced Concrete Bridge Columns**
  G. Zheng and G.Q. Li  
  547

- **Fault Statistical Classification and Fault Mode Analysis of Steam-Induced Vibration of Steam Turbine**
  C.B. He and Y.J. Gu  
  554

- **The Control of Stochastic Resonance by Harmonic Signal**
  M.L. Zhang and M. Lin  
  559

- **Image Interpolation Algorithm Based on Edge Features**
  Y.F. Yang, X.G. Wei and Z.X. Su  
  564

- **Numerical Simulation on Failure Mechanism of Rock Slope Using RFPA**
  N.W. Xu, C.N. Tang, C. Sha and R.L. Zhang  
  568

- **Networking Register System for Web-Press Machine**
  M.H. Li, Y. Du, J.Q. Liu and X. Zheng  
  573

- **A Method of Network Forensics Analysis Based on Frequent Sequence Mining**
  X.Y. Zhong  
  578

- **Application of Harmonic Balance Method to Numerical Model Unsteady Viscous Flow around Oscillating Cascade**
  Y.Q. Shi, Q.Z. Yang and X.H. Zhou  
  583

- **Deposition of Fluorocarbon Films by RF Magnetron Sputtering at Varying Target-Substrate Distance**
  Z.J. Liu, Q. Ji, Y.H. Zhang and Y.Z. Xia  
  589

- **Research on Intelligent Oracle Bone Fragments Rejoining Technology**
  594

- **A Data-Driven Process for Estimating Nonlinear Material Models**
  X.Y. Kou, S.T. Tan and H. Lipson  
  599

- **A New Heuristic Attribute Reduction Method Based on Boolean Matrix**
  Y.H. Xie  
  605

- **The Prediction Research on Ports of Coasts Based on Grey Theory in Fangcheng Port**
  610
Finite Element Simulation of Springback in Sheet Metal Forming
L. Chen

Visual Simulation of Straight-Racket-Hit Skill of Table Tennis Based on MD2 Model
T.Q. Jia, G.P. Guo, Y. Yu and X.J. Guo

Power Transformer Fault Diagnosis Based on Least Squares Support Vector Machine and Particle Swarm Optimization
X. Ma

Control of Stochastic Energetic Resonance in a Bistable System
Y. Meng and M. Lin

Robust Intrusion Detection Algorithm Based on K-Means and BP
Y.J. Zhong and S.P. Zhang

Divergence Color Histogram for Content-Based Image Retrieval
S.X. Xia, H.B. Zhou and Y. Zhou

A Kind of Web Database Classification Based on Machine Learning
X.Q. Zhou and X.P. Tang

Water Exit Dynamic Analysis of Underwater Vehicle
T.Q. You, J.Z. Zhang and C. Wang

Dynamic Performance of Vehicle-Turnout-Bridge Coupling System in High-Speed Railway
R. Chen, P. Wang and S.X. Quan

Automatic Texture Mapping Algorithm for Plant Leaf Model

Intelligent Control Mining Management System in an Open Pit Based on GIS/GPS/GPRS/RFID
Q.H. Gu, C.W. Lu, S.G. Jing and X. Ma

Aggregate Homotopy Method for Min-Max-Min Programming Satisfying a Weak-Normal Cone Condition
H.J. Xiong and B. Yu

Foreground Extraction Based on Dual-Camera System
L. Jue

Adaptive Polynomial Approximation to Circular Arcs
L.Z. Lu

Positive Approximation for Positive Scattered Data
X.L. Zhang and J.M. Wu

Status of Electromagnetic Compatibility Research and Technology Application in some Areas
H. Zhao, Y. Li, S.L. Zheng and L.J. Yu

Blind JPEG Steganalysis Using Features Derived from Multi-Domain
W.Q. Yu, Z. Li and L.D. Ping

Chinese Text Classification with a KNN Classifier Using an Adjusted Feature Weighting Method
W.R. Lin, Z.H. Wu, L.C. Feng and W.B. Huang

Existence of Positive Solution for Multi-Point Sturm-Liouville Boundary Value Problem
X.R. Meng, N.N. Li and Y.X. Tong

New Harmonious Development of the College Sports Game Status and Strategic Thinking
J.Y. Di, Y.M. Yang, K.L. Xi and X.F. Xu

The Unbiased Estimator Based on the Function of Poisson Population
Z.D. Li, C.X. Sun and C. Wang

The Equivalence of Mann and Implicit Mann Iterations for Uniformly Pseudocontractive Mappings in Uniformly Smooth Banach Spaces
C. Wang and Z.M. Wang

Pricing Option on Jump Diffusion and Stochastic Interest Rates Model
B. Peng and Z.H. Wu

Study on the Effect Factors of Non-Perormance Loan Ratio of Chinese Commerical Banks
P. Li, M.Y. Zhuo, L.C. Feng and R. Zhang

Research on Generalized Green Computing
J.L. Hu, J.B. Deng, J.B. Liu and J.B. Wu

Study on the Collective Effect of Industrial Clusters
C. Zhang
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research on Discipline Evolution in Local University Based on Ant Colony Algorithm</td>
<td>742</td>
</tr>
<tr>
<td>X.C. Wang, L. Chen and C.Y. Zheng</td>
<td></td>
</tr>
<tr>
<td>Earthquake Loss Assessment Based on Industry Association</td>
<td>747</td>
</tr>
<tr>
<td>X.G. Xue, Y. Xiong and X.C. Song</td>
<td></td>
</tr>
<tr>
<td>Study on Processing Mineralogy of Xuanhua Iron Ore</td>
<td>751</td>
</tr>
<tr>
<td>X.L. Han, C.C. Li and L.N. Liu</td>
<td></td>
</tr>
<tr>
<td>Application of Combination Evaluation for Academic Title Evaluation</td>
<td>756</td>
</tr>
<tr>
<td>B.F. Li, J.G. Qu and P.Y. Hao</td>
<td></td>
</tr>
<tr>
<td>Existence of Positive Solutions for a Class of Higher-Order Neutral Delay Difference Equations</td>
<td>761</td>
</tr>
<tr>
<td>D.H. Wang, Y.H. Cui and P.Y. Hao</td>
<td></td>
</tr>
<tr>
<td>An Evaluation Method Based on Grey Incidence Coefficient and Double-Point Method</td>
<td>766</td>
</tr>
<tr>
<td>P.Y. Hao, B.F. Li and Y.H. Cui</td>
<td></td>
</tr>
<tr>
<td>The Research on the Stimulation of Particle Flow System Based on the Event-Driven</td>
<td>770</td>
</tr>
<tr>
<td>H.Y. Fan</td>
<td></td>
</tr>
<tr>
<td>Research on Key Factors in Shader Programming of Dynamic Water Surface</td>
<td>775</td>
</tr>
<tr>
<td>Y.F. Feng</td>
<td></td>
</tr>
<tr>
<td>Study on the Modification of Polishing Putty by Inorganic Filler</td>
<td>780</td>
</tr>
<tr>
<td>C.B. Bi</td>
<td></td>
</tr>
<tr>
<td>Numerical Studies on Resistive Wall Instabilities in Cylindrical Plasma Confined by Surface Current</td>
<td>785</td>
</tr>
<tr>
<td>S.Y. Cui and P. Xie</td>
<td></td>
</tr>
<tr>
<td>Use of Information Discrepancy Measure to Register Medical Images</td>
<td>790</td>
</tr>
<tr>
<td>S.Y. Sun and L. Chen</td>
<td></td>
</tr>
<tr>
<td>Filling Holes in Triangular Meshes with Feature Preserved</td>
<td>794</td>
</tr>
<tr>
<td>P. Hu, C.S. Wang, B.J. Li and M.Z. Liu</td>
<td></td>
</tr>
<tr>
<td>Research of Centroid Extraction for Feature Point Based on FPGA</td>
<td>799</td>
</tr>
<tr>
<td>B. Li, X.H. Liu and W.J. Wu</td>
<td></td>
</tr>
<tr>
<td>Design of Free-Form Surface Optic in Wide Field of View Off-Axis Optical System</td>
<td>806</td>
</tr>
<tr>
<td>Y. Long, M.W. Kang and X.X. Li</td>
<td></td>
</tr>
<tr>
<td>Orthodontic EMR Cloud Based on 2-Tier Cloud Architecture</td>
<td>812</td>
</tr>
<tr>
<td>W.J. Zhang, A.M. Yang and Y. Liu</td>
<td></td>
</tr>
<tr>
<td>The Structure of a Group Biprodual</td>
<td>818</td>
</tr>
<tr>
<td>X.Y. Jiang, F.Z. Sun, G.Q. Liu and X. Qiao</td>
<td></td>
</tr>
<tr>
<td>The Comprehensive Evaluation of the Human All-Round Development Based on G1-Standard Deviation and Empirical Study</td>
<td>823</td>
</tr>
<tr>
<td>L.B. Zhou, G. Li and G.T. Chi</td>
<td></td>
</tr>
<tr>
<td>Modal Parameters Identification Based on Noise Cancellation from Measured Vibration Response Signals</td>
<td>828</td>
</tr>
<tr>
<td>X.X. Bao and C.L. Li</td>
<td></td>
</tr>
<tr>
<td>A New Method for Predicting Unsteady Performance of Integrative Propulsion System</td>
<td>833</td>
</tr>
<tr>
<td>M. He and S. Huang</td>
<td></td>
</tr>
<tr>
<td>Influence of Absorber’s Stiffness and Installation Site on Bit Trajectory</td>
<td>838</td>
</tr>
<tr>
<td>X.H. Zhu, Y.J. Jia and J.H. Li</td>
<td></td>
</tr>
<tr>
<td>Dynamic Analysis of Sandwich Beams Filled with ER Elastomers</td>
<td>843</td>
</tr>
<tr>
<td>Q. Bai, K.X. Wei and W.M. Zhang</td>
<td></td>
</tr>
<tr>
<td>Modeling and Rendering Realistic Trees</td>
<td>849</td>
</tr>
<tr>
<td>X.Q. Cai, B.X. Qian and J.H. Li</td>
<td></td>
</tr>
<tr>
<td>Comparison and Analysis on Four International Seismic Isolation Design Codes for Bridge</td>
<td>854</td>
</tr>
<tr>
<td>T.Y. Zhong, J.Y. Lv and J.H. Feng</td>
<td></td>
</tr>
<tr>
<td>Time-Dependent Load Bearing Capacity of Corroded R.C. Columns in Atmosphere Environment</td>
<td>859</td>
</tr>
<tr>
<td>Q. Li, N.G. Jin and X.Y. Jin</td>
<td></td>
</tr>
<tr>
<td>New Method of Reliability Analysis for Deep Tunnel</td>
<td>864</td>
</tr>
<tr>
<td>G.Q. Chen, G.S. Su and T.B. Li</td>
<td></td>
</tr>
<tr>
<td>Producing Mechanism and Distribution Laws of Remote Cracks for Geotechnical Engineering Structure</td>
<td>869</td>
</tr>
<tr>
<td>H.Q. Zhang, X.G. Huang, L.B. Xue and Y.F. Zhang</td>
<td></td>
</tr>
</tbody>
</table>
Detection of Damage Extension in Cantilever Beams Using Change Ratio of Frequency Response Functions
H.L. Jia and Y. Zhao

A Level Set Method for Image Restoration
W.B. Huang and W.R. Lin

A Crime Decision-Making Model Based on AHP
F.X. Yan, J. Xia, G.Q. Shen and X.S. Kang

Simulation & Prediction of Pacific Plastic Pollution
C. Li, Y. Xu, Y.S. Xu and X.S. Kang

Numerical Simulation of Small Cold Storage
X.H. Zhong, Y.L. Zhai and Y.J. Gou

Effect on Galena Oxidation Process of Temperature and Oxide Concentration
C. Bing, C. Nan and W. Yang

Produce and Design of the Teaching Website - with an Example of Education Website of Mineral Processing Department
L.M. Bai, Y.C. Wang, S.J. Dai and F.S. Niu

Control and Utilization Method for Urban Rain-Flood
J. Yan, C.Y. Jiang, S.N. Chen and J. Zhang

Delay-Dependent Robust Stability of Cellular Neural Networks with Time-Varying Discrete and Distributed Delay
W.W. Wang, W.W. Su and Y.M. Chen

To Optimize a BP Network System
W. Tong and L.P. Qin

Study on Dispersion Character of Fine Oolitic Hematite Ore Particle
F.J. Li

Spallation of Concrete under Dynamic Loading: Mesh Size Effect
L. Yuan, T. Xu and Q. Xu

Method of Concept-Drifting Feature Extracting in Data Streams Based on Granular Computing
C.H. Ju and Z.Q. Shuai

A Survey on Nurses’ Job Burnout and Factors Analysis in Tangshan Private Hospitals

Modeling Research on Hospitalization Cost in Patients with Cerebral Infarction Based on BP Neural Network
L. Zhou, J.H. Wu, G.L. Wang, Y. Su and G.B. Zhang

Investigation and Analysis about the Scientific Research Ability of Clinical Teachers Guiding Nursing Undergraduates
S.L. Dong, J. Zhao and Q.W. Wu

Analysis to Postgraduate Employment Plight under Dual-Economy
H.L. Li, L. Zhou and C.L. Sun

BP Neural Network and Multiple Linear Regression in Acute Hospitalization Costs in the Comparative Study
J.H. Wu, G.L. Wang, J. Wang and Y. Su

Comparison of BP Neural Network Model and Logistic Regression in the Analysis of Influencing Factors of Violence in Hospitals
J.H. Wu, G.L. Wang, X.M. Li and S.F. Yin

Application of the BP Nerve Network Model in the Analysis of Factors Affecting Hospitalization Expenses
G.L. Wang, J.H. Wu, T. Li and X.M. Li

Application of Factor Analysis in the Research of Hospital Medical Expenses
S.F. Yin, J.H. Wu, X.J. Wang and S. Li

Based on BP Neural Network Discrete Data Forecast
J. Wang, G.L. Wang, J.H. Wu and Y. Su

The Comparative Study of Workplace Violence in Both the State-Owned Hospitals and Private Hospitals
L.Q. Yu, X.X. Tang, J.H. Wu and S. Chen

Oxidative Damage of Cardiovascular System in Rats Following Lead Exposure
L.C. Yan, Y.S. Zhang, L. Yao and H.J. Xu
Multi-Sensor Network Design Based on Intelligent Node
Z.X. Tian, Z. Dong, G.Y. Yang and C.J. Chen

Damping Parameter Identification of Large Span Cable-Stayed Bridges
Z.Y. Bu, X. Xie and Y. Ding

Research on Seismic Performance of Prestressed Precast Reinforced Concrete Intelligent Structure
J.Q. Han, Z.B. Li and X.S. Song

Study of Urban Land-Use Structure Situation on the Ground of Information Entropy
C.L. Mi and Y.L. Liu

Statistical Analysis of Reliability Field Data in CNC System
T. Li, Y.N. Zhong and D.Z. You

Study on the CT Real-Time Scanning Tests and Deterioration Evolution Process of Recycled Concrete
A.J. Chen, Q. Zhang, J. Wang and Z.F. Ge

Design and Development of Simple and Instant Communication Tool
X.L. Qu and L. Xiao

Improvement Design Research of a CNC Lathe-Bed Structure
Y.D. Duan, G.P. Zhang, C. Guo, L.L. Peng and Y.M. Huang