Contents

A Memory Complexity Model for Circular Sentences	1
Summer Hypoxia Off the Changjiang Estuary Jun Lin, Jianrong Zhu, Jing Zhang	9
Research of DSS Based on Logistics Cost Subject Data Warehouse	21
Automatic Extraction of Terminology under CRF Model	31
Research on Service Level Agreement in Cloud Computing	39
The Development of PLC Innovative Experimental Platform and Study on Experimental Teaching	45
Optimization of Power Consumption for Wireless Sensor Networks	55
New Concept for Ocean Trestle Facility in High Tide Region	63
Steganalysis of Data Hiding in Binary Text Images Based on SVM and Run-Length Statistic	69
Web Security Vulnerability Analysis Using Network and Information Security Tools Jiangbo Liu, Krishna Kant Tiwari	77

Co-word Analysis for the Competitive Intelligence of Automotive	0.5
Industry in China	85
Design Wave – A Discussion on Environmental Impact Assessment Factor	91
An Congestion Avoidance and Alleviation Routing Protocol in Sensor Networks	99
The Research of PDM System for the Collaborative Design of Functional Structure	107
Robust H_{∞} Networked Control for Uncertain Fuzzy Systems with Time-Delay	115
A New Load Balancing Strategy in Relay Enhanced Cellular Networks with Multiple Traffic Types	125
An Approach for News Web-Pages Content Extraction Using Densitometric Features	135
An Investigation of Experimental Teaching Platform Based on WEBQUEST – A Case Study in the Network Engineering	141
Study the Ways to Evaluation and Classification of Odor Pollution	149
A Modeling Method of State Prediction for Algae Growth in Coastal Water Ying Zhang, Caijuan Li, Zhenhua Xie, Ying Zhang	155
Analysis on the Difficulties of Detecting Infrared Image of the Unconventional Targets	163
Music Emotion Retrieval Based on Acoustic Features	169

A Remote Mutual Situation-Aware Model by Detecting Entrance and Exit Behaviors in Smart Home	179
Offshore Engineering Diving Support for Paving Oil-Gas Pipeline in Gulf Tonkin	189
Differential Transform Method for the Degasperis-Procesi Equation	197
Approach to IT Innovation Concept Network Based on Analysis of Discourse	205
Study on the Evaluation Index System of Biotechnology in Industry	213
On the Basis of Science and Technology in Bioindustry	223
Ultrasonic Effect on Konjac Glucomannan Molecular Dimension	231
Relativity on Granularity and Molecule Characteristics of KGM	237
A Study of the Interaction between ELF-EMF and Bacteria	243
Effects of Tertiary Air Staged Combustion on NOx Emission Characteristic in a Pulverized-Coal Boiler with Swirl Burner	255
Scheme Optimization for Seismograph Recognition and Multifold Seismic Data Rolling Acquisition Experiment	265
Comprehensive Automation Experiment Course Based on Wind Energy Xie Yuan, Jiao Bin	273
Exploration and Practice to Constructing Electronics and Information Engineering Characteristic Specialty	283
Exploiting Ontology Reasoning in E-learning	291

Application of Handheld-Based Science Inquiry Experiment— Exploration of the Reaction Condition of Ferric Chloride Hydrolytic Action	301
Yang Du, Junhua Chen	
Construction Situations Promote the Self-learning of Data Structure Cheng Yusheng, Qian Meng, Huang Zhong, Cheng Shulin	305
Teaching Reform in Java-Based Programming Curricular System	313
On Security System: Study Based on Transaction Chain	319
An Empirical Analysis of the Influencing Factors of Sports Consumption: Based on the Data from 1990 to 2009 in China	325
Research of the Efficiency of High-Tech Industry Based on DEA Model: Evidence from China Zhang Minghong, Yin Xinke	333
Research on Cultivation Model of the Computer Science Undergraduate Talents: Oriented to Foster Engineering Practice	341
A Curriculum Design on Open Source Software for the C Language Programming	349
Situation and Reform of Multimedia Teaching	355
Computer-Mediated Communication in Education	361
The Design of Mobile Web-Based Scientific Research Archives Management System	367
Research on Content Design of Teachers' Online Training Courses Based on SCORM	375
Research on Strategies of Digital Resources Construction in Teachers' Distance Training for Primary and Secondary School Jiahua Zhang, Yubing Ai, Jianping Zhang	383

Contents	XIII
Output Promoting Students' Noticing and Acquisition of English Passive Voice	389
Analysis on Chinese Special Education and American Special Education Hui Cao, Xu Wang	397
On the Application of Geographical Information System Technology in Curriculum Teaching of World Economic Geography	405
Methods and Ways to Enhance the Moral Infiltration Education on Students	409
Design of Tourism E-Business System Based on JavaEE Multi-pattern Zhang Li, Zhang WeiXi	417
The Reform of Programming Teaching Based on Constructivism	425
Galloping Region Division Method of Power Transmisson Lines Based on Galloping Mechanism	433
A Kind of Mechanism Based Agent Model Design	441
The Implementation and Analysis of Fast Median Filter Based on FPGA Lu Gang, Liang Yitao, Wang Feng, Yin Zhenzhen	447
A Current Sharing Strategy of Paralleled DC-DC Converter Based on Efficiency	453
The Harmonics Control Method of Inverter in Induction Heating Power Supply	461
Design and Implementation of a Kind of Calibrator for Secondary Instrument	469
Apply Jute Fiber to Enrichment the Microorganism for Purification the PAHs in Water	473
Laboratory Model Test on Foundation Reinforcement by Locating Pile at Both Side of Strip Footing	481

Physiological Characteristics of Drought Resistance in Karelinia Caspica and Atriplex Tatarica Combining Pressure-Volume Technique	489
Study on Market-Driven Management of Commercial Bank	497
Prediction of China's Total Social Logistics Costs Based on Grey Model Wei Wei, Bo Tang	505
Path Search Algorithms on Service Network under Integrated Transport System	513
Applications of GPS in Grain Logistics Management Information System	521
Strategy on Network Marketing Channel of Apparel Business	527
Modeling of CAD System Based on Features	535
Study on the Parameters of Trip Distance Distribution Model for Rural Population	541
Double Fuzzy-PID Controller Design for EPS AC Asynchronous Motors Liu Xi-dong, Zhao Xuan	547
Traffic Distribution Model of Freight Service Network Based on Integrated Transport System	555
Off-Line Handwritten Chinese Signature Verification Based on Support Vector Machine Multiple Classifiers	563
Integrated Group and Single Passengers' Seat Inventory Control in Airline Revenue Management	569
Optimal Decision on Length of Waiting List in Airline Revenue Management	577
Research of Medical Image Variable Step-Size Blind Restoration Algorithm	583

Contents	XV
Application of Improved Classical Blind Equalization Algorithm in Seismic Signal Processing	591
Evaluation of the Enterprise Safety Climate Based on Factor Restructuring Analysis	599
Research on the Methods of Risk Evaluation in Progress Goal Programming of Expressway Construction Project	609
Research on Systematic Definition of Goal Programming of Highway Construction Progress Yihong Wang, Minjing Cui, Liming Xia, Shuping Chen	619
Sequence Analysis Based Adaptive Hierarchical Clustering Approach for Admixture Population Structure Inference	627
A New Integer FPE Scheme Based on Feistel Network	637
The Research on ACARS Digital Signal Demodulation Method Liu Lian-Sheng, Song Zhen	645
Defending P2P Networks against Malicious Worms Based on Benign Worms	653
Analysis and Simulation of Slot Collision and Reception Performance of AIS	661
Changes in Spectral Reflectance of Vegetation in Response to Specific Nutrient Supply Chi Guangyu, Zheng Taihui, Ma Jian, Shi Yi, Chen Xin	671
Research on Access Control during Search Encrypted Data	677
Optimum Length of Fiber Coil in Space-Borne Interferometric Fiber Optic Gyroscope	683
Camera Linear Calibration Algorithm Based on Features of Calibration Plate	689

The Development Research on Higher Vocational Education Curriculum Based on the Working Process Cheng-Sheng Liang	699
Empirical Study on Customers' Satisfaction of Commercial Bank with Motivation-Hygiene Theory	707
Implementation of Minicluster Parallel Computing Environment	715
Empirical Study on Factors Influencing of University-Enterprise Technology Transfer	723
Investigation of Current Situations of Uygur People's Mass Sports in Xinjiang	[′] 733
Research Progress of the Basic Physical Properties of ${\bf CO}_2$ Brine in the Sequestration of ${\bf CO}_2$ Jian Weiwei, Zhang Yi, Song Yongchen, Chang Fei, Zhan Yangchun, Liu Yu, Weihaur Lam	739
Simulated Calculation of Well Killing by Partition Method	747
Tectonic Analysis of Wenchuan Earthquake Collapse and Landslide Development Characteristics and Spatial Distribution Law Fangxiao Liu, Dewei Li, Demin Liu, Jiong Li, Huiming Tang	757
Finding a Safety Distance for Vehicles for the ACC System through Simulation	767
Research on Performance Assessments of University Counselors in Private Colleges	775
The Traits of Multiple Vector Wavelet Functions Associated with Filter Functions Qingbin Lu	781
The New Approach of Applying DSM to Topology	789
Research and Design of Network Information Query System Based on MIDP Lighty Li Fanying Mana Yiymei Wan Yachao Si Qinglin Wang	797

Contents A	X V 11
Fuzzy Zero Operator, Fuzzy Q Operator and Its Properties	805
A New Specific Property of Dobois-Prade Operators	813
Simulation Environment Realization for Vehicular Ad Hoc Network Based on NS2	821
Application of a New Weighted Association Rules Model for Medical Images Data Mining	829
Thinking about the Expansion of the Training Goal of PE Major under the Stern Employment Situation	835
Author Index	843