

Journal of Computers

ISSN 1796-203X

Volume 7, Number 4, April 2012

Contents

REGULAR PAPERS

Entropy Evaluation Model of Fractal Integration of the Knowledge of Supply Chain <i>Wenfang Sun, Linfeng Bai, and Xilong Qu</i>	819
Layout Dependent Phenomena A New Side-channel Power Model <i>Geir Olav Dyrkolbotn, Knut Wold, and Einar Snekkenes</i>	827
Application of Improved Median Filter on Image Processing <i>Rong Zhu and Yong Wang</i>	838
Robot Visual Servo with Fuzzy Particle Filter <i>Jie Ma and Qingjie Zhao</i>	842
Adaptive Order Morphology Edge Detection <i>Yuanni Wang and Fei Ge</i>	846
Research on the Early-Warning System of Risks in Local Government Debt <i>Xianquan Wang and Qinliang Fan</i>	851
Orthogonal Signal Design for Netted Radar System <i>Lianqing Fu, Lisheng Yang, Haiyong Wu, Chen Su, and Qiu Wu</i>	858
Fast Moving Object Segmentation Based On Active Contours <i>Hui-min Zhang, Zhi-yong Duan, Zhong-jie Zhu, and Yuer Wang</i>	863
Rough Set Approach to Multivariate Decision Trees Inducing <i>Dianhong Wang, Xingwen Liu, Liangxiao Jiang, Xiaoting Zhang, and Yongguang Zhao</i>	870
Quantitative Analysis of Near-Infrared Spectra by Wavelet-based Interferences Removal and Least Squares Support Vector Regression <i>Yingqiang Ding and Dan Peng</i>	880
Verification of Resistance of Denial of Service Attacks in Extended Applied Pi Calculus with ProVerif <i>Bo Meng, Wei Wang, and Wei Chen</i>	890
An Energy-efficient and Real-time Anonymous Routing Protocol for Ad hoc Networks <i>Fangbin Liu, Fengyu Liu, and Hong Zhang</i>	900
False Positives Reduction in Top-down Protein Informatics using Support Vector Machines <i>Huijuan Guo</i>	913
An Efficient Access Control Scheme for Outsourced Data <i>Xiaoming Wang and Yanchun Lin</i>	918
Heuristic Algorithm for Min-max Vehicle Routing Problems <i>Chunyu Ren</i>	923

Diagnosis System for Alumina Reduction Based on BP Neural Network <i>Shuiping Zeng, Lin Cui, and Jinhong Li</i>	929
Dynamical Analysis of Fuzzy Cellular Neural Networks with Time-varying Delays <i>Qianhong Zhang, Lihui Yang, and Daixi Liao</i>	934
A Class of Nonmontone Line Search Method with Perturbations <i>Meixia Li</i>	941
Experimental Study of Sound Travel-Time Estimation Method in Stored Grain <i>Hua Yan, Guannan Chen, Yinggang Zhou, and Lijun Liu</i>	947
Research and Comparison of Time-frequency Techniques for Nonstationary Signals <i>Qiang Zhu, Yansong Wang, and Gongqi Shen</i>	954
A Novel Control Algorithm for Maximum Power Point Tracking of Photovoltaic <i>Xinsheng He, Chunfu Gao, Bin Wang, and Zhiyong Luo</i>	959
Prediction of Tourist Quantity Based on RBF Neural Network <i>HuaiQiang Zhang and JingBing Li</i>	965
Numerical Results of Nonlinear Filtering Problem from Yau-Yau Method <i>Zhen Liu, Fangfang Dong, and Luwei Ding</i>	971
Discretization Model of Instantaneous Availability for Continuous-time Systems <i>Yi Yang, Lichao Wang, and Rui Kang</i>	977
Research on Evaluation of Power Supply Companies External Service Quality Based on Improved Grey Interrelated Analysis Method <i>Wei Li, Wei-dong Dong, and Ya-nan Yuan</i>	982
Age Distribution Convergence Mechanisms for Flash Based File Systems <i>Alistair A. McEwan and Ifan F. Mir</i>	988
A Method to Identify the Difference between Two Process Models <i>Min-Hsun Kuo and Yun-Shiow Chen</i>	998
Analysis and Enhancement of Three Identity-based Signcryption Protocols <i>Wei Yuan, Liang Hu, Hongtu Li, Jianfeng Chu, and Yuyu Sun</i>	1006
Adaptive Fuzzy Model Predictive Control for Non-minimum Phase and Uncertain Dynamical Nonlinear Systems <i>Tran Quang Tuan and Phan Xuan Minh</i>	1014
Train Coordinated Optimization Operation with Regenerative Braking <i>Peng Zhou and Hongze Xu</i>	1025
Thermal Simulation of Traction System for High-Speed Train Based on Heat Accumulation <i>Huaiyu Xu, Jihui Xu, Zhiqiang You, Wenqi Peng, Kunlin Zhang, and Jinfeng Xu</i>	1034
Highly Complex Chaotic System with Piecewise Linear Nonlinearity and Compound Structures <i>Wimol San-Um and Banlue Srisuchinwong</i>	1041
Bio-Soft Computational and Tabu Search Methods for Solving a Multi-Task Project Scheduling Problem <i>Ikno Kim and Junzo Watada</i>	1048
Laboratory Test System Design for Star Sensor Performance Evaluation <i>Jun Yang, Bin Liang, Tao Zhang, Jingyan Song, and Liangliang Song</i>	1056
