## **Content A**

PART A Mathematical and Computer Modelling		
Liu Ping, Zhou Hao, Yang Junping, Qiu Taorong	The Research of K-medoids clustering algorithm based on density	7
Wang Chunping, Chen Keming	Research on the task scheduling algorithm optimization based on hybrid PSO and ACO in cloud computing	12
Yang Jianhui, Mu Ke	The adaptive genetic algorithm graphics design based on fuzzy entropy thresholding method	17
Wang Xiaoyan, Sun Rui	Research on the adaptive weighted mean algorithm for lightweight scheme of database encryption	21
Jun Shi	Research on the parameters of unit element indirect calibration method	25
Ma Feng-Juan, Song Da-Wei	A novel key establishment algorithm for distributed wireless sensor network	29
Yang Qiu-Fen, Li Can-Jun	Moving target-tracking algorithm based on sparse representation and particle filter	34
Feng Qiaoqiao	Digital media animation design based on max script language	41
Xin Shibo, Wang Xi, Chen Yanquan	The application of unilateral single value control chart based on lognormal distribution	46
Yan-zhou Zhang, Dong-fang Xu	Research on the local fractional Hilbert Transform based on fractal theory	49
Xu Haiyan, Guo Jing	Research on the implementation of a database encryption system based on R algorithm	53
Yang Dong, Zhao Xing	Research on the adaptive PID control algorithm based on RBF neural network	58
Sun Leimin, Huang Tianshuin	A new boundary tracing algorithm of the contour of objects in the binary image	63
Long Huayun	The research of digital media instrument recognition method based on the distribution overlapping degree of the Gaussian mixture model	68
Wei Liu	Basketball Auxiliary Training Method based on Video Analysis Technology	73
Qun Jia	The improvement of particle swarm optimization algorithm based on stability analysis	78
Authors' Index		83
Cumulative Index		84



