

ISSN 1001-0548 CN 51-1207/T CODEN DKDAEM



学报

JOURNAL OF UNIVERSITY OF ELECTRONIC SCIENCE AND TECHNOLOGY OF CHINA

第47卷 第2期 Vol. 47 No.2

ISSN 1001-0548



2018
CHENGDU CHINA

中国 成都

电 子 科 技 大 学 学 报

主 编: 周 涛 副 主 编: 蒋 晓 责任编辑: 叶 芳

第47卷 第2期 2018年3月

目 次

• 通信与信息工程 •

		_				
基于排队论的异构数据中心性能及能源管理策略 孙 健,					` ′	
数据中心网络中一种基于ECN的TCP慢启动拥塞控制策略 ······· 黄家玮,					(169)	
Q波段脊过渡正交模耦合器设计					(178)	
基于小波时间延迟估计的宽带信号波束形成算法研究		• • • • • • • • • • • • • • • • • • • •	刘 影,	谢驰	(183)	
• 自动化技术 •						
传输线多分支结构的阻抗匹配技术研究		付在明,	王厚军,	黄建国	(189)	
复杂配电网状态估计方法研究 ····································	吴文传,	蔡世民,	唐 明,	刘 张	(194)	
基于等距映射的非线性系统集员参数估计			柴 伟,	纪镐南	(203)	
高压直流传输线下空间电荷密度测量系统低功耗研究			岳永哲,	赵战民	(209)	
一种机电位置伺服系统的抑扰控制策略及其实现	·吴 牮, ·	于 今,	谢光辉,	王光建	(216)	
• 计算机工程与应用 •						
基于神经网络的烈度衰减融合模型研究 胡 旺,					` ′	
混合PSO优化卷积神经网络结构和参数·······					,	
基于信息熵的高维稀疏大数据降维算法研究 何兴高,					,	
一种多变量公钥密码体制的安全性分析					` ′	
自适应属性加权近邻传播聚类算法					,	
基于因果分析的群体行为识别					` ′	
基于动态认知的微博用户行为关系网络构建方法					` ′	
一种基于信息论模型的入侵检测特征提取方法					` /	
基于交叉视觉皮质模型的真实图像再现方法	<u>.</u>	李 成,	汪 沛,	毕笃彦	(272)	
• 复杂性科学 •						
基于相对熵的多属性作者学术影响力排名研究 胡小军,	郭 强,	杨凯,	王江盼,	刘建国	(279)	
基于信息熵的加权基因关联网络融合方法		伍度志,	杨 帆,	赵 静	(286)	
识别流网络关键节点的虚拟外界投入产出分析法 朱为华,	刘 凯,	闫小勇,	汪 明,	吴金闪	(292)	
人在社交网络中的投资行为研究	····· j	赵倩文,	吴 晔,	王胜烽	(298)	
初始条件对网络渗流变换的影响王润祯,杨 春,陈 全,	付传技,	高雅纯,	贾 啸,	李嘉阳	(303)	
• 光电子学工程与应用•						
- 九电丁子工程可应用。						
光反馈光腔衰荡技术同时测量高反膜S和P偏振反射率 崔 浩,李斌成,	肖石磊,	王静,	王亚非,	高椿明	(307)	
LaB ₆ 复合型场发射阵列阴极的结构设计					` ′	
基于狭缝光栅的一维集成成像双视3D显示			吴 非,	于军胜	(317)	

JOURNAL OF UNIVERSITY OF ELECTRONIC SCIENCE AND TECHNOLOGY OF CHINA

Vol.47 No.2 Mar. 2018

CONTENTS

• Communication and Information Engineering •

A Strategy for Queuing Theory-Based Performance and Energy Management in Heterogeneou	is Data Centers	
	···· SUN Jian, LIAO Dan, LI Ke, GONG Yu, and SUN Gang	
An ECN-based Slow-Start of TCP Congestion Control in Data Center Networks		
HUANG Ji		
Design of a Q Band Orthomode Transducer Based on the Ridged Waveguide Connection	I ONLY IN Z	
CHEN Mao-zheng, MA		
Broadband Signal Beamforming Algorithm Based on the Wavelet and Time Delay Estimation		
• Automation Techniqu		
Research on the Impedance Matching Technology of the Transmission Line with the Multiple	Branch WANG Have in a statutable from	
Research on State Estimation Method of Complex Distribution Network	FU Zai-ming, WANG Hou-jun, and HUANG Jian-guo	
1	VIII Wan ahuan CAI Shi min TANG Mina and I HI Zhana	
LI Fei, HUANG Qi, NENAD KATIC, V		
Set Membership Parameter Estimation for Nonlinear Systems Using Isomap		
Study on Low Power Consumption of Space Charge Density Measurement System under HV	DC Transmission Lines	
A Disturbance Suppression Control Strategy and Its Realization for an Electromechanical Pos	ition Servo System	
	··WU Jian, YU Jin, XIE Guang-hui, and WANG Guang-jian	
• Computer Engineering and Ap		
Research on Fusion Model of Seismic Intensity Attenuation Based on Neural Network ········		
HU Wang, Zl	HANG Jian, CHEN Wei-feng, HU Bin, and GUO Hong-mei	
Optimizing Structure and Parameters of Convolutional Neural Networks Using Hybrid PSO-		
Research on Dimensional Reduction of Sparse Matrix Data Based on Information Entropy		
HE Xing-gao,		
Cryptanalysis of a Multivariate Public Key Cryptosystem LU		
Affinity Propagation Clustering Algorithm Based on Adaptive Feature Weight		
Group Activity Recognition in Crowd via Causality Analysis		
A Method to Construct Weibo User Behavior Relationship Network Using Dynamic Cognition	n	
Н		
An Intrusion Detection Feature Extraction Method Based on Information Theory Model		
Realistic Image Rendition Based on Intersecting Cortical Model	LI Cheng, WANG Pei, and BI Du-yan	
Complexity Sciences	y•	
Multi-Attribute Researcher Academic Influence Ranking Based on Relative Entropy		
HU Xiao-jun, Gl	UO Qiang, YANG Kai, WANG Jiang-pan, and LIU Jian-guo	
ntegration of Weighted Gene Association Networks Based on Information Entropy		
dentification of Critical Nodes in Flow Network by a Virtual External Input-Output Analysis		
ZHU Wei-hua,	LIU Kai, YAN Xiao-yong, WANG Ming, and WU Jin-shan	
Study on the Pattern of People's Investment Behavior Based on Mobile Phone Data		
The Effect of Initial Size Distributions on Percolation Transition		
WANG Run-zhen, YANG Chun, CHEN Q		
Optoelectronic Engineering and	Applications •	
Simultaneous Measurement of S- and P-Polarization Reflectivity Using Optical Feedback Cav	••	
CUI Hao, LI Bin-cheng, XIAC		
Structural Design of LaB ₆ Composite Field Emission Array Cathode		
One-Dimensional Dual-View Integral Imaging Three-Dimensional Display Based on Parallax	Barrier WU Fei and YU Jun-sheng	