

重庆邮电大学学报(自然科学版)

第22卷第6期

2010年12月

卷终

目次

※ 院士专家特别报告 ※

三网融合与未来网络的发展	刘韵洁(693)
云计算支撑信息服务社会化、集约化和专业化	李德毅(698)
太赫兹技术及其应用	姚建铨(703)
Dominance-based rough set approach as a paradigm of knowledge discovery and granular computing	Roman Slowinski(708)
Machine intelligence, rough sets and rough-fuzzy granular computing: uncertainty handling in bio-informatics and Web intelligence	Sankar K Pal(720)

※ 通信与电子 ※

基于 E-Model 的 VoIP 语音质量测量的研究	李强,高齐峰,席海峰(724)
基于修正的拟牛顿法的基追踪去噪研究	代少升,肖 嵩(729)
WCDMA 网络 Iub 接口 AAL2 链路猜测算法	邹丽芬,张治中(734)
基于动态频谱接入机制的侦测与避让技术评述	时 颖,林茂六(739)
基于 SNR 比较的 2 次协作的感知无线电频谱检测	谢显中,燕 涛(745)
认知无线电中基于干扰温度的功率控制博弈算法	何世彪,胡智伦,张新春,等(751)
基于博弈论的认知无线电功率控制算法	李红岩,傅洪亮,管爱红,等(756)
基于博弈论的认知无线电的频谱负载平衡	蔚承英,包 杰(761)
WCDMA 系统中一种前导检测门限算法研究	毕晓君,程 款(766)
准循环 LDPC 码低存储量译码器设计与实现	徐 欢,雷 菁,文 磊(771)
电子结构计算方法研究进展	李清旭(775)
暗能量与暗物质相互耦合的观测限制	陈希明,潘娜娜,刘 捷(780)

※ 计算机与自动控制 ※

OSEK/VDX OS 服务调用的规范一致性检测方法	李银国,叶家盛,蒋建春(786)
基于磁流变液悬置的柴油机垂向隔振多状态控制研究	李 锐,范德全,陈伟民,等(791)
基于遗传算法的 ABS 控制门限自寻优方法	郑太雄,李 浩,蒋国英,等(795)
倒车雷达系统中的驱动及抗干扰算法的改进与应用	赵 双,郭 锐,何 川(799)
基于 UWB 无线定位的汽车防撞系统设计	王 英,许 可(804)
基于无线技术的汽车轮胎压力监测系统设计	刘奇元,车晓毅,何哲明(808)
基于分布式控制系统的多机器人地图构建	罗 元,李艳乐,张 毅(813)
变时滞非线性细胞神经网络稳定性分析	莫玉忠,丁明智,虞继敏(817)
结合项目类别信息的协同过滤推荐算法	李大学,谢名亮,赵学斌(823)
一种快速触发的移动 IPv6 管理方案	尚凤军,任宇森,苏 畅(828)
一种基于不同角色和反馈可信度的 P2P 信誉模型	刘道群,孙庆和,刘 君(834)
一种基于分支路由器的快速分支组播路由机制	于展琦,延志伟,周华春,等(840)
2010 年总目次	(I ~ IV)
《数字通信》征订	封三

期刊基本参数: CN50-1181/N * 1988 * b * A4 * 160 * zh + en * P * 10.00 * 1000 * 29 * 2010-12

本期责任编辑: 刘 勇 本期英文编辑: 林 忠

(版权归重庆邮电大学所有。本刊如有印装质量问题,请与本刊编辑部联系)

**Journal of Chongqing University of
Posts and Telecommunications (Natural Science Edition)**
Vol. 22 No. 6 Dec. 2010

Contents

※ Special Reports by Academicians and Experts ※

- Development of network convergence and future internet *LIU Yun-jie* (693)
Cloud computing supports sociality, intensiveness and specialization of information service *LI De-yi* (698)
Introduction of THz-wave and its applications *YAO Jian-quan* (703)
Dominance-based rough set approach as a paradigm of knowledge discovery and granular computing *Roman Slowinski* (708)
Machine intelligence, rough sets and rough-fuzzy granular computing: uncertainty handling in bio-informatics
and Web intelligence *Sankar K Pal* (720)

※ Communication and Electronics ※

- Research on the measurement of speech quality of VoIP based on E-Model *LI Qiang, GAO Qi-feng, XI Hai-feng* (724)
Basic pursuit denoising research based on the modified quasi-Newton method *DAI Shao-sheng, XIAO Han* (729)
An AAL2 link guess algorithm for Iub interface in WCDMA network *WU Li-fen, ZHANG Zhi-zhong* (734)
A review of detect and avoid technology based on dynamic spectrum access mechanism
..... *SHI Ying, LIN Mao-liu* (739)
Twice-cooperative spectrum detection based on SNR comparison in cognitive radio systems *XIE Xian-zhong, YAN Tao* (745)
Power control game algorithm based on interference temperature in cognitive radio
..... *HE Shi-biao, HU Zhi-lun, ZHANG Xin-chun, et al* (751)
Game theoretic power control algorithm in cognitive radio networks *LI Hong-yan, FU Hong-liang, GUAN Ai-hong, et al* (756)
Load balancing algorithm in cognitive radio systems based on game theory *WEI Cheng-ying, BAO Jie* (761)
Study on the threshold algorithm about preamble detection in WCDMA system *BI Xiao-jun, CHENG Kuan* (766)
Design and implementation of a memory efficient QC-LDPC code decoder *XU Huan, LEI Jing, WEN Lei* (771)
Recent advances in electronic structure methods *LI Qing-xu* (775)
Observational constraints on the coupling between dark energy and dark matter of the universe
..... *CHEN Xi-ming, PAN Na-na, LIU Jie* (780)

※ Computer and Automation ※

- Checking method of system service call conformance in OSEK/VDX OS *LI Yin-guo, YE Jia-sheng, JIANG Jian-chun* (786)
Research on multi-state control of diesel engine vertical vibration isolation via magnetorheological fluid mounts
..... *LI Rui, FAN De-quan, CHEN Wei-min, et al* (791)
ABS control threshold auto-optimizing method based on the genetic algorithm
..... *ZHENG Tai-xiong, LI Hao, JIANG Guo-ying, et al* (795)
Improvement and application of driving and anti-interference algorithm on reversing aid system
..... *ZHAO Shuang, GUO Rui, HE Chuan* (799)
Design the automotive anti-collision system based on UWB wireless location *WANG Ying, XU Ke* (804)
Design of tire pressure monitoring system based on wireless technology *LIU Qi-yuan, CHE Xiao-yi, HE Zhe-ming* (808)
Multi-robot map-building based on the distributed control system *LUO Yuan, LI Yan-le, ZHANG Yi* (813)
Stability analysis of nonlinear cellular neural networks with time-varying delay *MO Yu-zhong, DING Ming-zhi, YU Ji-min* (817)
Collaborative filtering recommendation algorithm using item category information
..... *LI Da-xue, XIE Ming-liang, ZHAO Xue-bin* (823)
A scheme of mobile IPv6 management with fast trigger *SHANG Feng-jun, REN Yu-sen, SU Chang* (828)
A P2P reputation model based on different role and feedback credibility *LIU Dao-qun, SUN Qing-he, LIU Jun* (834)
A fast branch multicast scheme based on branching-router *YU Zhan-qi, YAN Zhi-wei, ZHOU Hua-chun, et al* (840)

Executive Editor: *LIU Yong*

English Editor: *LIN Zhong*