



ISSN 1000-8152
CODEN KLYYEB

控制理论 与应用

Control Theory & Applications

第30卷

第6期

2013年6月

Vol. 30

No. 6

Jun. 2013

华南理工大学

中国科学院数学与系统科学研究院

主办

控制理论与应用

第30卷 第6期 2013年6月

目 次

综述与评论

- 汽车行驶状态参数估计研究进展与展望 郭洪艳, 陈 虹, 赵海艳, 杨斯琦(661)

论文与报告

- 一类活性Petri网控制器的冗余检测及结构简化 徐姗姗, 董利达, 朱 丹, 朱承丞(673)

- 具有结构不确定性的时滞系统的闭环鲁棒预测控制器(英文) 郑鹏远, 席裕庚, 李德伟(683)

- 多目标分解随机粒子群优化算法及其在直线电机优化设计中的应用

..... 王光辉, 陈 杰, 蔡 涛, 李 鵬(693)

- 基于伪谱法的翼伞系统归航轨迹容错设计 高海涛, 张利民, 孙青林, 孙明玮, 陈增强, 亢晓峰(702)

- 基于自适应动态规划的多设定值跟踪控制方法 李晓理, 刘德馨, 贾 超, 丁大伟(709)

- 内埋式永磁同步电机驱动系统的弱磁控制 陈 宁, 张 跃, 桂卫华, 喻寿益(717)

- 基于三维点云的阶梯目标检测与参数估计 钟 晨, 王 伟, 庄 严(724)

- 基于改进单亲遗传算法的炼钢最优炉次计划模型(英文)

..... 王 闻, 刘 青, 李庆益, 王 彬, 谢飞鸣, 王柏琳(734)

短 文

- 一类非Lipschitz非线性系统全局渐近稳定观测器设计(英文) 沈艳军, 夏小华(742)

- 一类状态时滞广义串级控制系统的 H_{∞} 镇定(英文) 杜昭平, 岳 东, 胡松林, 张美生(753)

- 布尔控制网络的能控性与能观性(英文) 李志强, 宋金利(760)

- 基于二叉树型分层的广义混合模糊系统推理规则数的缩减 杨 阳, 王贵君, 杨永强(765)

- 带有工况中心修正的多模型在线建模 丛秋梅, 苑明哲, 柴天佑, 王 宏(773)

- 控制方向未知的时变不确定系统的重复控制 赵叶蕾, 陈彭年(781)

- 自组织区间二型模糊神经网络及其自适应学习算法 姚 兰, 肖 建, 王 嵩, 蒋玉莲(785)

* * * *

- 《控制理论与应用》征稿简则 (792)

CONTROL THEORY & APPLICATIONS

Vol. 30 No. 6 Jun. 2013

CONTENTS

Survey and Reviews

- State and parameter estimation for running vehicle: recent developments and perspective GUO Hong-yan, CHEN Hong, ZHAO Hai-yan, YANG Si-qi (661)

Papers and Reports

- Redundancy detection and structure simplification for a class of liveness-enforcing Petri net supervisors XU Shan-shan, DONG Li-da, ZHU Dan, ZHU Cheng-cheng (673)
- Closed-loop robust model predictive control for time-delay systems with structured uncertainties ZHENG Peng-yuan, XI Yu-geng, LI De-wei (683)
- A multi-objective decomposition-based stochastic particle swarm optimization algorithm and its application to optimal design for linear motor WANG Guang-hui, CHEN Jie, CAI Tao, LI Peng (693)
- Fault-tolerance design of homing trajectory for parafoil system based on pseudo-spectral method GAO Hai-tao, ZHANG Li-min, SUN Qing-lin, SUN Ming-wei, CHEN Zeng-qiang, KANG Xiao-feng (702)
- Multiple set-points tracking control method based on adaptive dynamic programming LI Xiao-li, LIU De-xin, JIA Chao, DING Da-wei (709)
- Flux-weakening control for interior permanent magnet synchronous motor drive systems CHEN Ning, ZHANG Yue, GUI Wei-hua, YU Shou-yi (717)
- Stair detection and parameter estimation using 3D point cloud ZHONG Chen, WANG Wei, ZHUANG Yan (724)
- Optimal charge plan model for steelmaking based on modified partheno-genetic algorithm WANG Chuang, LIU Qing, LI Qing-yi, WANG Bin, XIE Fei-ming, WANG Bai-lin (734)

Brief Papers

- Global asymptotic stable observers for a class of non-Lipschitz nonlinear systems SHEN Yan-jun, XIA Xiao-hua (742)
- H-infinity stabilization for a class of singular cascade control systems with time-delay in state DU Zhao-ping, YUE Dong, HU Song-lin, ZHANG Mei-sheng (753)
- Controllability and observability of Boolean control networks LI Zhi-qiang, SONG Jin-li (760)
- Reducing the number of inference rules for generalized hybrid fuzzy systems based on binary tree-type hierarchy YANG Yang, WANG Gui-jun, YANG Yong-qiang (765)
- Online modeling for multi-model by adjusting the centers of operating ranges CONG Qiu-mei, YUAN Ming-zhe, CHAI Tian-you, WANG Hong (773)
- Repetitive control for a class of systems with unknown time-varying parameters and unknown control direction ZHAO Ye-lei, CHEN Peng-nian (781)
- Interval type-2 fuzzy neural networks with self-organizing structure and adaptive learning algorithm YAO Lan, XIAO Jian, WANG Song, JIANG Yu-lian (785)