

控制理论与应用

第37卷 第2期 2020年2月

目次

论文与报告

- 非齐次马尔可夫跳跃正线性系统的稳定与镇定 蒋鹏飞, 朱进, 奚宏生 (229)
- 抗扰控制中的不变性原理 李向阳, 高志强 (236)
- 时滞分布参数系统的移动传感器/执行器防碰撞控制 付焕森, 崔宝同 (245)
- PEMFC系统过氧比的自适应高阶滑模控制 马冰心, 王永富 (253)
- 基于高斯混合模型最大期望聚类的同时定位与地图构建数据关联 阮晓钢, 张晶晶, 朱晓庆, 周静 (265)
- 微粉生产过程中磨机进出口温度多目标优化 李晓理, 高杰, 王康 (275)
- 重介质选煤过程模型与数据混合驱动的自适应运行反馈控制 代伟, 张凌智, 褚菲, 马小平 (283)
- 基于即时学习的高炉炼铁过程数据驱动自适应预测控制 易诚明, 周平, 柴天佑 (295)
- 基于级联型具有旋转激励的平移振荡器系统的滑模控制 武宪青, 张益波 (307)
- 超启发式遗传算法求解模糊柔性作业车间调度 李尚函, 胡蓉, 钱斌, 张梓琪, 金怀平 (316)
- 混合攻击下时变信息物理系统的有限时域 H_∞ 控制(英文) 刘珊, 黎善斌, 胥布工 (331)
- 基于多目标人工鱼群算法的符号回归 刘庆, 任海鹏, 姚俊良, 刘龙 (340)
- 航天器全状态约束输出反馈控制 陈中天, 陈强, 孙明轩, 何熊熊 (355)
- 基于四元数衍生无迹卡尔曼滤波的二段式多旋翼无人机姿态估计算法
..... 蔡安江, 刘凯峰, 郭师虹, 舒展 (365)
- 并网光伏逆变器鲁棒分数阶滑模控制设计 杨博, THIDAR Swe, 钟林恩, 束洪春, 余涛, 孙立明 (374)
- 随机性标量参数分布式量化的最优比特分配 沈志萍, 陈军勇, 邬依林 (387)
- 基于改进单关节信息传输模型的闭环脑机接口系统设计 潘红光, 米文毓, 邓军, 孙京浩, 薛瑞 (395)
- 一种基于无源性理论的模糊Hopfield神经网络学习律设计方法 王婧, 柏建军, 薛安克 (405)
- 一种新型反馈控制器的研究与应用 李军, 黄卫剑, 万文军, 刘哲 (411)

短文

- 轮式移动机器人瞬态模型鲁棒自适应同步终端滑模编队控制 赵东亚, 崔文豪, 严星刚 (423)
- 滑动与打滑条件下的轮式移动机器人自抗扰跟踪控制 王立玲, 董力元, 马东, 刘秀玲, 王洪瑞 (431)
- 打滑状态下的多移动机器人编队自适应控制 彭滔, 陆群, 苏春翌 (439)
- 基于矩阵方法的Banzhaf值的计算及应用 夏美霞, 李海涛, 丁雪莹, 刘衍胜 (446)

CONTROL THEORY & APPLICATIONS

Vol. 37 No. 2 Feb. 2020

CONTENTS

Papers and Reports

- Stability and stabilization for non-homogeneous positive Markovian jump linear systems
..... JIANG Peng-fei, ZHU Jin, XI Hong-sheng (229)
- The invariance principle in disturbance rejection control LI Xiang-yang, GAO Zhi-qiang (236)
- Collision avoidance control of mobile sensor and actuator networks for distributed parameter systems with time-delay
..... FU Huan-sen, CUI Bao-tong (245)
- Adaptive high-order sliding mode control for oxygen excess ratio of PEMFC system MA Bing-xin, WANG Yong-fu (253)
- Simultaneous localization and mapping data association based on maximum expectation clustering for Gaussian mixture model
..... RUAN Xiao-gang, ZHANG Jing-jing, ZHU Xiao-qing, ZHOU Jing (265)
- Multi-objective optimization of mill inlet and outlet temperature in slag powder production process
..... LI Xiao-li, GAO Jie, WANG Kang (275)
- Model-data hybrid driven adaptive operational feedback control of dense medium coal preparation process
..... DAI Wei, ZHANG Ling-zhi, CHU Fei, MA Xiao-ping (283)
- Data-driven just-in-time learning based adaptive predictive control for blast furnace ironmaking
..... YI Cheng-ming, ZHOU Ping, CHAI Tian-you (295)
- Sliding-mode control of the cascade-based translation oscillators with rotating actuator system
..... WU Xian-qing, ZHANG Yi-bo (307)
- Hyper-heuristic genetic algorithm for solving fuzzy flexible job shop scheduling problem
..... LI Shang-han, HU Rong, QIAN Bin, ZHANG Zi-qi, JIN Huai-ping (316)
- Finite horizon H_∞ control for time-varying cyber-physical system under hybrid attacks
..... LIU Shan, LI Shan-bin, XU Bu-gong (331)
- Symbolic regression via a multi-objective artificial fish school algorithm
..... LIU Qing, REN Hai-peng, YAO Jun-liang, LIU Long (340)
- Full state constrained output feedback control for rigid spacecraft
..... CHEN Zhong-tian, CHEN Qiang, SUN Ming-xuan, HE Xiong-xiong (355)
- Quaternion derivative unscented Kalman filter-based two-step attitude estimation algorithm for multi-rotor unmanned aerial vehicle
..... CAI An-jiang, LIU Kai-feng, GUO Shi-hong, SHU Zhan (365)
- Robust fractional-order sliding-mode control design of grid-connected photovoltaic inverters
..... YANG Bo, THIDAR Swe, ZHONG Lin-en, SHU Hong-chun, YU Tao, SUN Li-ming (374)
- Optimal bit allocation for stochastic scalar parameter distributed quantization
..... SHEN Zhi-ping, CHEN Jun-yong, WU Yi-lin (387)
- Closed-loop brain-machine interface system design based on improved single-joint information transmission model
..... PAN Hong-guang, MI Wen-yu, DENG Jun, SUN Jing-gao, XUE Rui (395)
- Passivity-based learning law design for a class of fuzzy Hopfield neural networks
..... WANG Jing, BAI Jian-jun, XUE An-ke (405)
- Research and application of a novel feedback controller LI Jun, HUANG Wei-jian, WAN Wen-jun, LIU Zhe (411)

Brief Papers

- Robust adaptive synchronized formation control for the transient model of wheeled mobile robots with terminal sliding-mode
..... ZHAO Dong-ya, CUI Wen-hao, YAN Xing-gang (423)
- Active disturbance rejection tracking control of wheeled mobile robots under sliding and slipping conditions
..... WANG Li-ling, DONG Li-yuan, MA Dong, LIU Xiu-ling, WANG Hong-rui (431)
- Adaptive control of multiple mobile robot formation under slip condition PENG Tao, LU Qun, SU Chun-Yi (439)
- Matrix approach to calculation of Banzhaf value with applications
..... XIA Mei-xia, LI Hai-tao, DING Xue-ying, LIU Yan-sheng (446)