

控制理论与应用

第40卷 第10期 2023年10月

目次

论文与报告

垂直气动人工肌肉系统的模型参考自适应逆补偿控制
..... 肖 怀, 孟庆鑫, 闫 泽, 赵诗影, 赖旭芝, 吴 敏 (1703)

复杂环境下基于推抓协同操作的目标物体抓取..... 孙先涛, 唐思宇, 陈文杰, 贺春东, 智亚丽, 陈伟海 (1713)

集员卡尔曼滤波器在电机故障诊断中的应用..... 王振华, 张文瀚, 崔 骞, 沈 毅 (1721)

一类非线性系统的神经网络自适应区间观测器设计..... 易泽仁, 谢 巍, 刘龙文, 胥布工 (1730)

基于PID参数整定的无模型自适应控制器参数整定方法..... 李 翔, 侯忠生 (1737)

基于学习型人工蜂群算法优化双向GRU的乙烯产率预测
..... 温在鑫, 钱 斌, 胡 蓉, 金怀平, 杨媛媛 (1746)

反馈非线性系统随机梯度辨识算法及其收敛性..... 魏 纯, 徐 玲, 丁 锋 (1757)

面向空间目标交汇的多拦截器最优部署算法..... 宋晓程, 黄书彦, 陈鹏飞, 薛文超, 李 陟 (1765)

基于Bandit反馈的自适应量化分布式在线镜像下降算法..... 谢俊如, 高文华, 谢奕彬 (1774)

考虑能见度影响的公路隧道照明动态优化与智能控制
..... 梁 波, 牛佳安, 李 硕, 杨彦斌, 肖靖航, 张晓坚 (1783)

永磁同步电机模型预测转矩控制简化控制策略..... 李耀华, 刘子焜, 王孝宇, 陈桂鑫, 任 超, 刘东梅 (1793)

一类受扰线性采样数据系统的鲁棒执行器故障估计..... 杨俊起, 李泽辰, 崔立志, 谢建豪 (1806)

复杂约束下的挠性航天器姿态参考管理控制..... 党庆庆, 刘贞报, 李文博, 桂海潮, 刘 萍 (1813)

二阶混杂多智能体系统的安全二分一致性..... 吴佳慧, 朱韵茹, 郑元世, 王怀柱 (1821)

Levant微分器参数整定算法及在高空台系统的应用..... 张和洪, 谢晏清, 王 娟, 但志宏, 郭文忠 (1831)

基于CJS-SLLE降维与即时学习的转炉炼钢终点碳温软测量方法
..... 赵 安, 刘 辉, 陈甫刚, 刘旭琛, 张大锦 (1839)

交叉口混合交通流微观控制模型..... 黄 鑫, 林培群, 裴明阳, 谭满春, 冉 斌 (1851)

面向资源最优分配的深度学习双边拍卖算法..... 郑阳超, 李珍妮 (1863)

Buck变换器的改进型互补滑模控制..... 蔡中泽, 曾庆双, 孙谷昊 (1873)

基于变刚度自适应导纳机制的机械臂恒力控制..... 周 波, 刘奕荣, 刘会昌, 宋伏阳, 房 芳, 甘亚辉 (1880)

* * * *

第43届中国控制会议(CCC2024)征文通知..... (1889)

《控制理论与应用》征稿简则..... (1890)

CONTROL THEORY & APPLICATIONS

Vol. 40 No. 10 Oct. 2023

CONTENTS

Papers and Reports

- Adaptive inverse compensation control of the vertical pneumatic artificial muscle system
..... XIAO Huai, MENG Qin-xin, YAN Ze, ZHAO Shi-ying, LAI Xu-zhi, WU Min (1703)
- Target object grasp based on push-grasp cooperative operation in complex environment
..... SUN Xian-tao, TANG Si-yu, CHEN Wen-jie, HE Chun-dong, ZHI Ya-li, CHEN Wei-hai (1713)
- Application of set-membership Kalman filter in motor fault diagnosis
..... WANG Zhen-hua, ZHANG Wen-han, CUI Qian, SHEN Yi (1721)
- A neural network adaptive interval observer design for a class of nonlinear systems
..... YI Ze-ren, XIE Wei, LIU Long-wen, XU Bu-gong (1730)
- Parameter tuning of the PG initial values for direct model-free adaptive control based on PID tuning methods
..... LI Xiang, HOU Zhong-sheng (1737)
- Ethylene yield prediction based on bi-directional GRU optimized by learning-based artificial bee colony algorithm
..... WEN Zai-xin, QIAN Bin, HU Rong, JIN Huai-ping, YANG Yuan-yuan (1746)
- Stochastic gradient identification algorithm and its convergence for feedback nonlinear systems
..... WEI Chun, XU Ling, DING Feng (1757)
- On optimal deployment of multiple interceptors for spatial object intersection
..... SONG Xiao-cheng, HUANG Shu-yan, CHEN Peng-fei, XUE Wen-chao, LI Zhi (1765)
- Adaptive quantized online distributed mirror descent algorithm with Bandit feedback
..... XIE Jun-ru, GAO Wen-hua, XIE Yi-bin (1774)
- Dynamic optimization and intelligent control of highway tunnel lighting considering visibility effects
..... LIANG Bo, NIU Jia-an, LI Shuo, YANG Yan-bin, XIAO Jing-hang, ZHANG Xiao-jian (1783)
- Simplified control strategies of model predictive torque control for permanent magnet synchronous motor
..... LI Yao-hua, LIU Zi-kun, WANG Xiao-yu, CHEN Gui-xin, REN Chao, LIU Dong-mei (1793)
- Robust actuator fault estimation for a class of linear sampled-data systems with disturbance
..... YANG Jun-qi, LI Ze-chen, CUI Li-zhi, XIE Jian-hao (1806)
- Explicit reference governor-based constrained flexible spacecraft attitude control
..... DANG Qing-qing, LIU Zhen-bao, LI Wen-bo, GUI Hai-chao, LIU Ping (1813)
- Secure bipartite consensus of second-order hybrid multi-agent systems
..... WU Jia-hui, ZHU Yun-ru, ZHENG Yuan-shi, WANG Huai-zhu (1821)
- Parameter tuning algorithm for levant's differentiator and its application in flight environment simulation control system
..... ZHANG He-hong, XIE Yan-qing, WANG Juan, DAN Zhi-hong, GUO Wen-zhong (1831)
- Soft sensor method of endpoint carbon content and temperature of BOF steelmaking based on CJS-SLLE and just-in-time learning
..... ZHAO An, LIU Hui, CHEN Fu-gang, LIU Xu-chen, ZHANG Da-jin (1839)
- Mixed traffic flow microscopic control model at intersections
..... HUANG Xin, LIN Pei-qun, PEI Ming-yang, TAN Man-chun, RAN Bin (1851)
- Deep learning double auction algorithm for resource optimal allocation
..... ZHENG Yang-chao, LI Zhen-ni (1863)
- Improved complementary sliding mode control for Buck converter
..... CAI Zhong-ze, ZENG Qing-shuang, SUN Gu-hao (1873)
- Constant force control of manipulator based on variable stiffness adaptive admittance mechanism
..... ZHOU Bo, LIU Yi-rong, LIU Hui-chang, SONG Fu-yang, FANG Fang, GAN Ya-hui (1880)