

控制理论与应用

第39卷 第8期 2022年8月

目次

“非线性系统的分析与设计”专刊

前言	(1353)
网络攻击下一类非线性切换多智能体系统的安全自适应控制	李占杰, 马亚静, 岳 东 (1355)
切换自治系统的动态输出反馈镇定	孙振东, 王苗苗 (1363)
带有混合时滞的切换系统的耗散性分析与控制	解红珍, 宗广灯, 杨 东 (1369)
切换非线性系统的输出反馈周期事件触发控制	李 实, 向峥嵘 (1377)
CLF-CBF-QP新形式下非线性系统的安全攸关控制与优化	龙离军, 胡腾飞 (1387)
预设时间下的分布式优化和纳什均衡点求解	张苗苗, 叶茂娇, 郑元世 (1397)
时滞和扩散驱动下信息物理融合系统恶意病毒传播动力学	庄乾辉, 肖 敏, 王 赫, 邱建龙, 梁金玲, 蒋海军 (1407)
精确估计下的多智能体系统漏斗复合控制	李枝强, 刘 洋, 周 琪, 鲁仁全 (1417)
输入时滞非线性系统的新型动态面Funnel控制	王清华, 刘 烨, 张桂林, 李洪芹, 刘海珊 (1426)
非线性时滞系统基于降阶观测器的反步镇定控制	李文杰, 张正强 (1433)
输出非对称死区的非严格反馈非线性系统控制	孙 猛, 杨 洪 (1442)
级联RTAC系统动态神经网络辨识与分散镇定控制	张 宇, 程开新, 竺俊杰, 武国勋, 姚熊亮 (1451)
一类非线性系统的自适应抗测量噪声的输出反馈镇定(英文)	林 雷, 沈艳军 (1460)
区间2型T-S模糊系统的事件触发预测控制	周靖峰, 胡满峰 (1471)
具有Preisach类型磁滞输入的不确定非线性系统自适应神经网络控制	邱伟文, 赖冠宇, 章 云 (1479)
非线性系统有限时间自适应动态面容错控制	李应森, 陈 明, 王焕清, 彭开香 (1489)
线性系统的事件触发输出反馈有限时间有界控制(英文)	杨中林, 魏自航, 林相泽 (1497)
基于扰动观测器补偿的机械臂非奇异快速终端滑模控制	孙国法, 赵尔全, 张国巨, 黄鸣宇 (1506)
基于自适应线性自抗扰控制的飞机防滑刹车系统重构控制	刘舒畅, 杨 忠, 张 钊, 陈 爽, 张小恺 (1516)
基于TS-FNN的城市固废焚烧过程MIMO被控对象建模	丁海旭, 汤 健, 夏 恒, 乔俊飞 (1529)
采用非线性无源理论的MMC-MG并网电流控制	王兴贵, 王海亮, 薛 晟, 李晓英 (1541)
不确定Chua电路系统的固定时间自适应参数估计	石 尚, 李 慧, 闵惠芳, 徐胜元, 孙永辉 (1551)
控压钻井系统井下不确定参数与未知状态估计	徐宝昌, 吴 楠, 孟卓然 (1561)
动态事件触发的无人机非线性系统故障检测	盖文东, 李珊珊, 张桂林, 张 婧 (1569)
基于多质点模型的动车组精准停车自适应控制	李茂青, 王以庆, 高云波, 阳长琼 (1579)

CONTROL THEORY & APPLICATIONS

Vol. 39 No. 8 Aug. 2022

CONTENTS

Special Issue on Analysis and Design of Nonlinear Systems

Preface	(1353)
Secure adaptive consensus control against cyber attacks for nonlinear switched multi-agent systems	LI Zhan-jie, MA Ya-jing, YUE Dong (1355)
Dynamical output feedback stabilization of switched autonomous systems	SUN Zhen-dong, WANG Miao-miao (1363)
Dissipative analysis and control of switched systems with mixed time delays	XIE Hong-zhen, ZONG Guang-deng, YANG Dong (1369)
Output feedback periodic event-triggered control for switched nonlinear systems	LI Shi, XIANG Zheng-rong (1377)
Safety-critical control and optimization of nonlinear systems based on new forms of CLF-CBF-QP	LONG Li-jun, HU Teng-fei (1387)
Prescribed-time distributed optimization and Nash equilibrium seeking	ZHANG Miao-miao, YE Mao-jiao, ZHENG Yuan-shi (1397)
Dynamics of malicious virus propagation in cyber physical systems driven by time-delay and diffusion	ZHUANG Qian-hui, XIAO Min, WANG He, QIU Jian-long, LIANG Jin-ling, JIANG Hai-jun (1407)
Funnel composite control for multi-agent systems with accurate estimation	LI Zhi-qiang, LIU Yang, ZHOU Qi, LU Ren-quan (1417)
Novel dynamic surface Funnel control for nonlinear systems with input delay	WANG Qing-hua, LIU Ye, ZHANG Gui-lin, LI Hong-qin, LIU Hai-shan (1426)
Reduced-order observer-based backstepping stabilization control for nonlinear time-delay systems	LI Wen-jie, ZHANG Zheng-qiang (1433)
Nonstrict feedback nonlinear system control with asymmetric dead zone output	SUN Meng, YANG Hong (1442)
Dynamic neural network identification and decentralized stabilization control of cascade RTAC system	ZHANG Yu, CHENG Kai-xin, ZHU Jun-jie, WU Guo-xun, YAO Xiong-liang (1451)
Adaptive anti-measurement-disturbance stabilization for a class of nonlinear systems via output feedback	LIN Lei, SHEN Yan-jun (1460)
Event-triggered predictive control for interval type-2 T-S fuzzy systems	ZHOU Jing-feng, HU Man-feng (1471)
Adaptive neural control for uncertain nonlinear systems with Preisach-type hysteresis input	QIU Wei-wen, LAI Guan-yu, ZHANG Yun (1479)
Finite-time adaptive dynamic surface fault-tolerant control for nonlinear systems	LI Ying-sen, CHEN Ming, WANG Huan-qing, PENG Kai-xiang (1489)
Event-triggered output feedback finite-time bounded control of linear systems	YANG Zhong-lin, WEI Zi-hang, LIN Xiang-ze (1497)
Non-singular fast terminal sliding mode control of manipulator based on disturbance observe compensation	SUN Guo-fa, ZHAO Er-quan, ZHANG Guo-ju, HUANG Ming-yu (1506)
Adaptive linear active disturbance rejection control based reconfiguration control for aircraft anti-skid braking system	LIU Shu-chang, YANG Zhong, ZHANG Zhao, CHEN Shuang, ZHANG Xiao-kai (1516)
Modeling of MIMO controlled object in municipal solid waste incineration process based on TS-FNN	DING Hai-xu, TANG Jian, XIA Heng, QIAO Jun-fei (1529)
Grid-connected current control for MMC-MG adopting nonlinear passive theory	WANG Xing-gui, WANG Hai-liang, XUE Sheng, LI Xiao-ying (1541)
Fixed-time adaptive parameter estimation for uncertain Chua circuit system	SHI Shang, LI Hui, MIN Hui-fang, XU Sheng-yuan, SUN Yong-hui (1551)
Estimation of downhole uncertain parameters and unknown state of managed pressure drilling	XU Bao-chang, WU Nan, MENG Zhuo-ran (1561)
Dynamic event-triggered fault detection for unmanned aerial vehicles nonlinear system	GAI Wen-dong, LI Shan-shan, ZHANG Gui-lin, ZHANG Jing (1569)
Adaptive control of electric multiple unit for accurate stopping based on multi-mass model	LI Mao-qing, WANG Yi-qing, GAO Yun-bo, YANG Chang-qiong (1579)