

控制理论与应用

第36卷 第10期 2019年10月

目 次

综述与评论

车辆路径优化问题及求解方法研究综述 庞 燕, 罗华丽, 邢立宁, 任 腾 (1573)

论文与报告

多目标跟踪中多传感器分布式控制策略 陈 辉, 邓东明, 韩崇昭 (1585)

无速度输入多智能体系统的一致性 董 汉, 程 善, 张冬梅 (1599)

基于事件触发非线性多智能体系统的固定时间一致性 陈世明, 邵 赛 (1606)

切换正系统的渐近稳定性、 L_1 增益及时变 H_∞ 控制 熊建栋, 黄 琼, 伍 俊 (1615)

控制方向未知的高次不确定非线性系统低复杂度预定性能控制

..... 丁 超, 石 超, 董新民, 陈 勇, 刘棕成 (1622)

非线性量化小脑模型关节控制器神经网络控制器 邱 亚, 李 鑫, 陈 薇, 段泽民 (1631)

基于多策略融合粒子群的无人机对地攻击模糊博弈决策 赵玉亮, 宋业新, 张建军, 康丽文 (1644)

太阳能无人机群基于通信决策的节能连接控制 薛 阳, 王 舒, 张亚飞, 王 琳, 俞志程 (1653)

基于改进分段Gauss伪谱法的带推力高超声速飞行器再入轨迹规划 蔺 君, 何英姿, 黄盘兴 (1662)

高超声速飞行器非仿射模型的预设性能反演控制 李小兵, 赵思源, 卜祥伟, 何阳光 (1672)

基于局部保持投影-加权 k 近邻规则的多模态间歇过程故障检测策略

..... 张 成, 郭青秀, 冯立伟, 李 元 (1682)

风力机系统基于 H_2/H_∞ 未知输入观测器的故障诊断 陈宣含, 沈艳霞, 吴定会 (1690)

基于极限动态规划算法的微电网一体化调度与控制 陈俊斌, 余 涛, 殷林飞, 唐建林 (1698)

联合车速-队列感知的路边单元分组调度随机优化 代 亮, 张亚楠, 钱 超, 孟 芸, 黄 鹤 (1707)

稳态调度下单臂组合设备时间延迟分析与优化 潘春荣, 熊文清 (1719)

考虑订单组批特性的特种铝锭组炉优化 张 浩, 库 涛, 张丁一 (1730)

连续时间无穷维正则状态信号系统的最优控制(英文) 张 倩, 刘 浏, 卢玉峰 (1738)

动力定位的分数阶双环自适应终端滑模控制 薛 晗, 邵哲平, 潘家财, 张 锋, 钟纪锋 (1745)

跳跃海豚群算法 王艳娇, 史新梦 (1755)

短 文

变频泵控锚杆钻臂摆角动态滑模自适应控制 郭一楠, 陆希望, 张 振, 巩敦卫 (1768)

不同竞争结构下闭环供应链碳减排和低碳推广决策 李 辉, 汪传旭, 徐 朗 (1776)

* * * *

关于黄琳院士所著《控制系统动力学讲义》和《最优控制理论讲义》的书讯 (1791)

第39届中国控制会议征文通知 (1614)

CONTROL THEORY & APPLICATIONS

Vol. 36 No. 10 Oct. 2019

CONTENTS

Survey and Reviews

- A survey of vehicle routing optimization problems and solution methods
..... PANG Yan, LUO Hua-li, XING Li-ning, REN Teng (1573)

Papers and Reports

- Multi-sensor distributed control strategy for multi-target tracking
..... CHEN Hui, DENG Dong-ming, HAN Chong-zhao (1585)
- Consensus of multi-agent systems without velocity input DONG Han, CHENG Shan, ZHANG Dong-mei (1599)
- Distributed event-triggered fixed-time consensus control for multi-agent systems with nonlinear uncertainties
..... CHEN Shi-ming, SHAO Sai (1606)
- Asymptotic stability, L_1 gain and time-varying H_∞ control of switched positive systems
..... XIONG Jian-dong, HUANG Qiong, WU Jun (1615)
- Low-complexity prescribed performance control of high-order uncertain nonlinear system with unknown control directions
..... DING Chao, SHI Chao, DONG Xin-min, CHEN Yong, LIU Zhong-cheng (1622)
- Nonlinear quantization cerebella model articulation controller neural network controller
..... QIU Ya, LI Xin, CHEN Wei, DUAN Ze-min (1631)
- Fuzzy game decision-making of unmanned aerial vehicles air-to-ground attack based on the particle swarm optimization integrating multiply strategies ZHAO Yu-liang, SONG Ye-xin, ZHANG Jian-jun, KANG Li-wen (1644)
- Energy-saving connection control of solar-powered UAVs based on communication decision
..... XUE Yang, WANG Shu, ZHANG Ya-fei, WANG Lin, YU Zhi-cheng (1653)
- Powered hypersonic vehicle reentry trajectory optimization based on improved multi-phase Gauss spectral method
..... LIN Jun, HE Ying-zi, HUANG Pan-xing (1662)
- Prescribed performance control method for non-affine model of hypersonic vehicles
..... LI Xiao-bing, ZHAO Si-yuan, BU Xiang-wei, HE Yang-guang (1672)
- Fault detection strategy based on locality preserving projections-weighted k nearest neighbors in multimodal batch processes
..... ZHANG Cheng, GUO Qing-xiu, FENG Li-wei, LI Yuan (1682)
- Fault diagnosis of wind turbine system based on H_2/H_∞ unknown input observer
..... CHEN Xuan-han, SHEN Yan-xia, WU Ding-hui (1690)
- Integrated dispatch and control of microgrid based on extreme dynamic programming algorithm
..... CHEN Jun-bin, YU Tao, YIN Lin-fei, TANG Jian-lin (1698)
- Joint velocity and queue aware stochastic optimization of packet scheduling in roadside units
..... DAI Liang, ZHANG Ya-nan, QIAN Chao, MENG Yun, HUANG He (1707)
- Analysis and optimizing of time delay for single-armed cluster tools under steady schedule
..... PAN Chun-rong, XIONG Wen-qing (1719)
- Furnace-grouping optimization with order-grouping for special aluminum ingots
..... ZHANG Hao, KU Tao, ZHANG Ding-yi (1730)
- Optimal control on infinite-dimensional continuous-time regular state signal systems
..... ZHANG Qian, LIU Liu, LU Yu-feng (1738)
- Fractional-order dual-loop adaptive terminal sliding mode control for dynamic positioning
..... XUE Han, SHAO Zhe-ping, PAN Jia-cai, ZHANG Feng, ZHONG Ji-feng (1745)
- Jumping dolphin swarm algorithm WANG Yan-jiao, SHI Xin-meng (1755)

Brief Papers

- Dynamic sliding-mode adaptive control for the rotation angle of an anchor-hole drilling arm driven by a variable-frequency pump GUO Yi-nan, LU Xi-wang, ZHANG Zhen, GONG Dun-wei (1768)
- Decisions of carbon emission reduction and low-carbon promotion in closed-loop supply chain under different competitive structures LI Hui, WANG Chuan-xu, XU Lang (1776)