控制理论与应用

第 40 卷 第 1 期 2023 年 1 月 目 次

综述与评论

并行智能优化算法研究进展 · · · · · · · · · · · · · · · 张 国, 王 锐, 雷洪涛, 张 涛, 王 凌 (1) 论文与报告 带有观测器的广义多智能体系统二分一致性 · · · · · · · · · 韩 · 涛, 关治洪, 詹习生, 严怀成, 陈 · 洁 (32) 纬度未知条件下捷联惯导摇摆基座自对准方法 李敬春, 张 亚, 段海滨 (39) 基于非负绞杀与长短期记忆神经网络的动态软测量算法 · · · · · · · · · · 孙 · 凯, 隋 · 璘, 张芳芳, 杨根科 (83) 基于特征层密集连接与注意力机制的宽度学习系统及其在锌浮选过程的应用 ·······丁浩峰、谢永芳、谢世文、王 杰 (111) 采煤机牵引系统双电机功率平衡控制策略 · · · · · · · · · · · · 贺虎成, 汪 · 沁, 张晨阳, 刘博涛, 桂浩亚 (121) 基于有限时间对偶神经网络的冗余机械臂重复运动规划 · · · · · · · · 孔 颖, 吴佳佳, 雷景生, 胡汤珑 (139) 网联车辆队列有限时间终端滑模控制 郭 戈, 赵梓唯 (149) 衔接注意力机制与残差ASPP的W-Net工业烟尘图像分割 · · · · · · · · · 詹光莉, 刘 辉, 陈甫刚, 杨 路 (160) 短文 基于知识Petri网和归结规则的推理方法 · · · · · · · · · · · · · 谭开成, 罗继亮, 章宏彬, 林鑫杰, 叶剑虹 (172) 短时延广义网络控制系统的指数保性能控制 · · · · · · · · 周红艳, 张 钊, 陈雪波, 李 华 (178)

CONTROL THEORY & APPLICATIONS

Vol. 40 No. 1 Jan. 2023

CONTENTS

Survey and Reviews

Survey on parallel intelligent optimization algorithms
ZHANG Guo, WANG Rui, LEI Hong-tao, ZHANG Tao, WANG Ling (1) A review of neural network structure search method LIU Jian-wei, WANG Xin-tan (12)
Papers and Reports
Observer-based bipartite consensus of descriptor multi-agent systems
HAN Tao, GUAN Zhi-hong, ZHAN Xi-sheng, YAN Huai-cheng, CHEN Jie (32) Self-alignment algorithm for swaying SINS under geographic latitude uncertainty
LI Jing-chun, ZHANG Ya, DUAN Hai-bin (39) Robust stabilization for uncertain rectangular descriptor fractional order T–S fuzzy systems
ZHANG Xue-feng, AI Jie, ZHAO Ze-li (47) Fixed-time precision tracking control of an unmanned surface vehicle constrained by thruster saturations
WANG Ning, WANG Ren-hui, LU Ting (55) Prediction model of kernel extreme learning machine for permeability index of blast furnace
Edge controllability of directed signed networks · · · · · · · · · REN Shi-chao, GUAN Yong-qiang, SHEN Yu (74) Dynamic soft sensor algorithm based on nonnegative garrote and long short-term memory neural network
SUN Kai, SUI Lin, ZHANG Fang-fang, YANG Gen-ke (83) A self-organized chain formation method for swarm robots to enclose multiple intruders
XU Wang-bao, SUN Ming-yan (94) Sliding mode active disturbance rejection control of large inertia scanning mirror LI Jia-jun, WANG Gan-quan (103)
Dense connection and attention-based broad learning system and its application to zinc flotation process
DING Hao-feng, XIE Yong-fang, XIE Shi-wen, WANG Jie (111) Dual motor power balance control strategy for shearer traction system
HE Hu-cheng, WANG Qin, ZHANG Chen-yang, LIU Bo-tao, GUI Hao-ya (121) Backstepping terminal sliding mode position control based on neural network observer ··· FU Dong-xue, ZHAO Xi-mei (132) Finite-time dual neural network for solving repetitive motion planning of redundant manipulator
KONG Ying, WU Jia-jia, LEI Jing-sheng, HU Tang-long (139) Finite-time terminal sliding mode control of connected vehicle platoons GUO Ge, ZHAO Zi-wei (149) Connection attention mechanism and residual ASPP of W-Net industrial smoke image segmentation ZHAN Guang-li, LIU Hui, CHEN Fu-gang, YANG Lu (160)
Brief Papers
•
Reasoning method based on knowledge Petri nets and resolution rules
······ ZHOU Hong-yan, ZHANG Zhao, CHEN Xue-bo, LI Hua (178)