

南京信息工程大学学报(自然科学版)

第 13 卷 第 5 期 (总第 75 期) 2021 年 9 月

目 次

噪声采样区间下具有随机短时滞的网络化系统镇定研究	胡志佩 苏永康 邓飞其 (509)
基于观测器的离散马氏跳变系统的故障估计	王国良 宋歌 (517)
基于深度学习的开放场景下声纹识别系统的设计与实现	郭新 罗程方 邓爱文 (526)
一类非线性中立型随机延迟微分方程的截断型 θ -EM 方法	李燕 王朝航 高帅斌 (533)
随机分布参数切换系统的输入输出有限时间稳定与镇定	左凰 戴喜生 邓飞其 (540)
基于 Q 学习算法的随机离散时间系统的随机线性二次最优追踪控制	张正义 赵学艳 (548)
时变时滞随机广义 Markov 跳变系统的事件触发控制	杨子晗 邢双云 曹康敏 (556)
基于权重值的竞争深度双 Q 网络算法	汪晨曦 赵学艳 郭新 (564)
基于改进的 LSTM 算法的时间序列流量预测	郭佳丽 邢双云 栾昊 贾艳婷 (571)
不平衡数据下基于 PSO-BP 算法的输电线路弧垂预测	李嘉雨 廖如超 李钰楷 (576)
基于遗忘因子的数据驱动最优迭代学习控制算法研究	李佳伟 林娜 池荣虎 (582)
考虑提前/拖期风险的第四方物流路径优化问题研究	薄桂华 黄敏 柳欣 (589)
企业社会责任下考虑促销投入的供应链优化决策	马鹏 崔家飘 刘勇 (596)
车联网中路边设施的分布式调度策略的研究	顾伟 任勇军 (605)
基于神经网络的人口与经济系统的耦合协调发展分析	张光晨 郝鹏飞 宗鑫 (611)
基于响应面法的轴向磁场永磁记忆电机多目标优化设计	曹永娟 冯亮亮 (620)
基于改进无证书公钥密码的轻量级 DTLS 协议设计	许国栋 刘光杰 乔森 陆赛杰 赵华伟 (628)

Journal of Nanjing University of Information Science & Technology

(Natural Science Edition)

Vol.13 No.5 (Sum No.75) Sep. 2021

CONTENTS

Stabilization of networked systems with stochastic time-varying short delays;the noisy sampling intervals case	HU Zhipei SU Yongkang DENG Feiqi (516)
Observer-based fault estimation for discrete-time Markovian jump systems	WANG Guoliang SONG Ge (525)
A deep learning-based speaker recognition system for open set scenarios	GUO Xin LUO Chengfang DENG Aiwen (532)
The truncated θ -EM method for a class of nonlinear neutral stochastic delay differential equations	LI Yan WANG Zhaohang GAO Shuaibin (539)
Input-output finite-time stability and stabilization of stochastic distributed parameter switched systems	ZUO Huang DAI Xisheng DENG Feiqi (547)
Stochastic linear quadratic optimal tracking control for stochastic discrete time systems based on Q-learning	ZHANG Zhengyi ZHAO Xueyan (555)
Event-triggered control of stochastic singular Markov jump systems with time-varying delays	YANG Zihan XING Shuangyun CAO Kangmin (563)
Weighted dueling double deep Q-network	WANG Chenxi ZHAO Xueyan GUO Xin (570)
Prediction of time series traffic based on improved LSTM algorithm	GUO Jiali XING Shuangyun LUAN Hao JIA Yanting (575)
Transmission line sag prediction based on PSO-BP neural network with unbalanced data	LI Jiayu LIAO Ruchao LI Yukai (581)
Forgetting factor based data-driven optimal iterative learning control	LI Jiawei LIN Na CHI Ronghu (588)
Routing optimization in fourth-party logistics with earliness/tardiness risk	BO Guihua HUANG Min LIU Xin (595)
Supply chain's optimal decisions with considering promotional investment under corporate social responsibility	MA Peng CUI Jiapiao LIU Yong (604)
Distributed scheduling strategies for RSUs in VANETs	GU Wei REN Yongjun (610)
Analysis of coupling and coordinated development for population and economic system based on neural network	ZHANG Guangchen HAO Pengfei ZONG Xin (618)
Multi-objective optimization design of axial-flux permanent magnet memory motor based on response surface method	CAO Yongjuan FENG Liangliang (627)
Lightweight DTLS protocol design based on improved certificateless public key cryptography	XU Guodong LIU Guangjie QIAO Sen LU Saijie ZHAO Huawei (634)