

控制理论与应用

第27卷 第6期 2010年6月

目 次

论 文

- 磁场控制下的电子自旋量子系统参数辨识 吴庆林, 陈宗海, 张陈斌(683)
基于受控拉格朗日函数的垂直起降飞机控制器设计 李茂青(688)
采用改进型扰动观测器的控制方法 谢巍, 何忠亮(695)
基于灰预测和正态云的参数自适应蚁群遗传算法 牟峰, 袁晓辉, 王慈光, 景云(701)
含有不灵敏区非线性系统的增益调度自适应变结构控制 胡剑波, 辛海良(708)
基于极值动力学的自组织优化算法求解TSP问题 吴婷, 陈玉旺, 汪烨(715)
一类不确定非线性系统自适应输出反馈跟踪控制的新结果 尚芳, 刘允刚, 张承慧(721)
不确定条件下控制分配问题的鲁棒优化方法 马建军, 李文强, 郑志强, 胡德文(731)
基于强跟踪滤波器及小波变换的非线性系统参数辨识及应用 陈杰, 邓方, 陈文颉, 马韬(738)
一类不确定系统的神经网络L₂-增益鲁棒控制 陈维, 王耀南, 许海霞(745)
基于滑模与自适应观测器的感应电机非线性控制新策略 张细政, 王耀南, 袁小芳, 王迎旭(753)
学习增强型PID控制系统的收敛性分析 晏静文, 侯忠生(761)

短 文

- 混合性能指标优化问题的大种群规模进化算法 巩敦卫, 秦娜娜, 孙晓燕(769)
基于冯·诺依曼邻域结构的人工鱼群算法 王联国, 洪毅(775)
具时空白噪声1阶双曲系统的稳定性分析 戴喜生, 邓飞其, 彭云建(781)
一类具有区间时变多状态时滞系统的稳定性分析 王新梅, 魏武, 裴海龙, 贺良华(786)
传输时延和时钟同步对以太网控制系统的影响 鲁立, 冯冬芹, 褚健, 章涵(793)
采用生物信息克隆的免疫算法 张波涛, 刘士荣, 吕强(799)
连续时间系统多目标鲁棒滤波器设计 苏子漪, 俞立, 宋洪波, 张文安(804)
具有时变输入与状态时滞的Markov跳变系统鲁棒H_∞控制 刘健辰, 章兢(809)
多胞不确定型多时变时滞系统的稳定性 李伯忍, 胥布工(815)
一种改进的机器人路径规划的蚁群算法 陈雄, 赵一路, 韩建达(821)

* * * *

- 下期要目 (700)
征文通知 (826)

期刊基本参数: CN44-1240/TP*1984*b*A4*144*zh*P* ¥15.00*1650*22*2010-06

CONTROL THEORY & APPLICATIONS

Vol. 27 No. 6 Jun. 2010

CONTENTS

Papers and Reports

Identification of quantum system parameters of the electron spin system controlled by magnetic field	WU Qing-lin, CHEN Zong-hai, ZHANG Chen-bin (683)
Control design for planar vertical takeoff-and-landing aircraft based on controlled Lagrangians	LI Mao-qing (688)
Control method with improved disturbance observer	XIE Wei, HE Zhong-liang (695)
Ant-colony-genetic algorithm with adaptive parameters based on grey prediction and normal cloud	MU Feng, YUAN Xiao-hui, WANG Ci-guang, JING Yun (701)
The gain-scheduled variable-structure tracking control of nonlinear systems with dead-zones and norm-bounded uncertainties	HU Jian-bo, XIN Hai-liang (708)
Self-organized optimization algorithm with extremal dynamics for the traveling salesman problem	WU Ting, CHEN Yu-wang, WANG Ye (715)
New results on adaptive tracking by output feedback for a class of uncertain nonlinear systems	SHANG Fang, LIU Yun-gang, ZHANG Cheng-hui (721)
Control of allocation under uncertainty based on robust optimization	MA Jian-jun, LI Wen-qiang, ZHENG Zhi-qiang, HU De-wen (731)
Parameter identification of nonlinear system and its application based on strong tracking filter and wavelet transform	CHEN Jie, DENG Fang, CHEN Wen-jie, MA Tao (738)
The neural network L-two-gain robust control for a class of uncertain systems	CHEN Wei, WANG Yao-nan, XU Hai-xia (745)
New nonlinear controller for induction motor based on sliding-mode control and adaptive observer	ZHANG Xi-zheng, WANG Yao-nan, YUAN Xiao-fang, WANG Ying-xu (753)
Convergence analysis of learning-enhanced PID control system	YAN Jing-wen, HOU Zhong-sheng (761)

Brief Papers

Evolutionary algorithm with large population size for problems with hybrid indices	GONG Dun-wei, QIN Na-na, SUN Xiao-yan (769)
Artificial fish-swarm algorithm based on Von Neuman neighborhood	WANG Lian-guo, HONG Yi (775)
Stability analysis for first-order hyperbolic systems with space-time white noise	DAI Xi-sheng, DENG Fei-qi, PENG Yun-jian (781)
Stabilization analysis for systems with multiple interval time-varying time-delays	WANG Xin-mei, WEI Wu, PEI Hai-long, HE Liang-hua (786)
Effect of transmission delay and clock synchronization on networked control systems	LU Li, FENG Dong-qin, CHU Jian, ZHANG Han (793)
Immune algorithm with biologic information clone	ZHANG Bo-tao, LIU Shi-rong, LÜ Qiang (799)
Design of multi-objective robust filter for continuous time systems	SU Zi-yi, YU Li, SONG Hong-bo, ZHANG Wen-an (804)
Robust H-infinity control for Markovian jump systems with time-varying time-delay in input and state	LIU Jian-chen, ZHANG Jing (809)
Stability criteria of multiple time-varying delays system with polytopic-type uncertainties	LI Bo-ren, XU Bu-gong (815)
An improved ant colony optimization algorithm for robotic path planning	CHEN Xiong, ZHAO Yi-lu, HAN Jian-da (821)