

TABLE OF CONTENTS

目 录

Calculating Variable Condition Performance of Micro-Gas Turbine-Fuel Cell System by PNVMECA Software
(PNVMECA 软件计算微型燃机-燃料电池系统变工况性能)

B. H. XU, G. W. YANG, Q. C. LIANG, Q. L. HUANG.....41

State Feedback H_∞ Control Based on Sector Region Pole Assignment
(基于扇形区域极点配置状态反馈 H_∞ 控制)

M. X. GU, B. YAO, F. Z. WANG.....48

Numerical Simulation of Path Planning in Ship
(船舶路径规划数值仿真)

W. J. LI, A. ZHOU, S. DING, Y. F. ZAN.....55

Performance Simulation and Design Calculation of the System of Centrifugal Compressor-Driven Centripetal Turbine
(离心式压气机驱动向心透平系统的性能仿真及设计计算)

Y. F. JIAO, H. Z. LI, Q. C. LIANG.....63

Synchronization Analysis and Simulation on Regular Coupled Neural Networks
(规则连接神经网络的同步分析与模拟)

N. WEN, S. Q. LIU.....71

Optimization of Fuzzy Control Strategy for Differential Coupling Hybrid Power System Based on Genetic Algorithm
(基于遗传算法的差速耦合式混合动力系统模糊控制策略优化)

X. WANG, Q. ZHANG, Y. WANG, F. XIAO, J. J. HU.....81

A BLDC Design Suitable for Electro-Mechanical Braking Device
(一种适用于电机械制动装置的电机设计)

Z. QIAN, M. L. WU, M. L. CHEN.....94

Optimal Decoupling Control of Linear Interference Systems
(线性干扰系统的最优解耦控制)

Z. T. CHEN, C. Y. JIN.....106

Chaos Synchronization of Discrete Fractional Logistic Maps
(离散分数阶 Logistic 差分方程的混沌同步)

X. J. WANG, M. S. PENG.....114

Analysis and Circuit Design of a Novel 5D Hyperchaotic System
(一个新五维超混沌系统的分析与电路设计)

Q. WEI, H. NIU.....118

Analysis, Control and Circuit Implementation of a Novel 4D Chaotic System
(一个新四维混沌系统的分析、控制与电路实现)

Z. L. WANG, H. NIU, D. C. TAN.....129

Adaptive Modeling and Simulation of Gas Turbine Based on Improved Genetic Algorithms
(基于改进遗传算法的燃气轮机自适应建模仿真)

J. F. ZHAO, Q. C. LIANG, H. Z. LI.....140

Simulation and Calculation of Fuel Cell-High Pressure Compressor-Turbine System
(燃料电池 - 高压压气机 - 涡轮系统仿真计算)

L. LI, Q. C. LIANG.....148

Depthometer System Construction and Precision Control Based on MEMS Microsystem
(基于 MEMS 微系统的深度计系统构建及精度控制)

K. FANG, Q. C. LIANG, J. F. ZHAO, L. LI.....160

**Research on Obstacle Avoidance System and Path Planning of Unmanned Ground Vehicle
Based on PX4**
(基于 PX4 的地面无人车避障系统及路径规划研究)

Q. G. JIANG, L. F. WANG.....167