

目次

先进制造技术

数控机床数字化设计体系结构研究与应用	杨庆东,张瑞乾,刘国庆,钟建琳(1)
螺旋管激光连续弯曲工艺研究	郝南海,潘少为(9)
改进的群集智能优化算法在任务排序中的应用	米洁(14)
带压电层功能梯度悬臂板非线性动力学分析	郝育新,孙彦军,王建华(19)
一种地震搜救机器人运动结构设计研究	王红军,魏超(25)
BJ-2 型卡丁车的动力学性能仿真分析	王国权,王菲,龚国庆(29)
集成化转向和制动的车辆主动安全控制系统研究	童亮,张北北(36)
基于小波包分析的旋转机械故障诊断研究	石磊,王红军,吴国新(43)
机器人可视化仿真模型及同步控制系统的研究	李淑琴,尹航(48)
基于加权 PCA 的人眼定位算法	曹林,杜康宁(52)
一种基于全息原理的数字图像实时加密解密系统	牛春晖,王晓玲,吕乃光,周哲海,李晓英(56)
无线音频传感网络中的压缩采样	乔道鄂,徐小力(61)
基于 TRIZ 理论的热分析仪加热炉体设计	吴国新,徐小力,时延辉,左云波(65)
基于 LabVIEW 圆度测量中的高斯滤波算法实现	王茂,许宝杰,谷玉海(71)
类人足球机器人球识别方法的研究	刘博,张奇志,周亚丽(75)
基于聚类的异常检测方法的研究与实现	李涵(80)
Jacobi-Dirac 结构及其特征对、对偶特征对	刘玲,尹彦彬(85)
一种基于跳时技术的数据加密算法	刘南,尹昆(88)
复杂网络可靠性评价指标	杨孝平,尹春华(92)

期刊基本参数:CN 11-5866/N * 1986 * Q * 16 * 96 * zh * P * ¥15.00 * 1000 * 19 * 2010-09

责任编辑:康劲

英文编辑:郭丽萍

JOURNAL OF BEIJING INFORMATION
SCIENCE AND TECHNOLOGY UNIVERSITY

Vol. 25 No. 3

(Sum 77)

Sep 2010

CONTENTS

Advanced Manufacturing Technology

Architectural study and application of NC machine tools digitization design	YANG Qing-dong, ZHANG Rui-qian, LIU Guo-qing, ZHONG Jian-lin(1)
On the laser continuous bending of helical tubes	HAO Nan-hai, PAN Shao-wei(9)
Improved swarm intelligence optimization algorithm used in the task – sorting	MI Jie(14)
Nonlinear dynamics of a functionally graded rectangular cantilever plate with piezoelectric	HAO Yu-xin, SUN Yan-jun, WANG Jian-hua(19)
Moving structure design of an earthquake searching robot	WANG Hong-jun, WEI Chao(25)
Simulation and analysis of dynamics for Model BJ – 2 Karting	WANG Guo-quan, WANG Fei, GONG Guo-qing(29)
Study on integrated steering and braking control system for vehicle active safety	TONG liang, ZHANG Bei-bei(36)
Research on fault diagnosis of rotating machinery based on wavelet packet analysis	SHI Lei, WANG Hong-jun, WU Guo-xin(43)
Design and implementation of robot visualsimulation model and synchronous control	LI Shu-qin, YIN Hang(48)
Eye location based on weighted PCA	CAO Lin, DU Kang-ning(52)
A real – time system for encrypting and decrypting digital images based on holographic principle	NIU Chun-hui, WANG Xiao-ling, Lü Nai-guang, ZHOU Zhe-hai, LI Xiao-ying(56)
Compressive sampling in wireless acoustic sensor networks	QIAO Dao-e, XU Xiao-li(61)
Heating furnace design for the thermal analysis instrument based on TRIZ theory	WU Guo-xin, XU Xiao-li, SHI Yan-hui, ZUO Yun-bo(65)
Realization of gaussian filtering algorithm in roundness measurement based on LabVIEW	WANG Mao, XU Bao-jie, GU Yu-hai(71)
Research on ball identification method of humanoid robot soccer	LIU Bo, ZHANG Qi-zhi, Zhou Ya-li(75)
Research and implementation of an anomaly detection model based on clustering analysis	LI Han(80)
Jacobi – Dirac structure and its characteristic pairs and dual characteristic pairs	LIU Ling, YIN Yan-bin(85)
A data encryption algorithm based on time – hopping technology	LIU Nan, YIN Kun(88)
Research of reliability indexes of complex network	YANG Xiao-ping, YIN Chun-hua(92)