



ISSN 0577-6686
CODEN CHHKA2

机械工程学报[®]

JOURNAL OF MECHANICAL ENGINEERING



CMES 中国机械工程学会主办

半月刊 | 15 / 2012
第 48 卷

ISSN 0577-6686



9 770577 668125

万方数据

机械工程学报

JIXIE GONGCHENG XUEBAO

2012年第48卷第15期 8月5日出版

目次

机械学

机构学及机器人

- 基于预抓取模式识别的假手肌电控制方法.....杨大鹏 赵京东 李楠等 (1)
- 并联式六维加速度传感器的哈密顿动力学研究.....尤晶晶 李成刚 吴洪涛 (9)
- 基于鼓形蜗杆传动理论的内齿轮加工原理研究.....陈永洪 张光辉 陈兵奎 (18)
- 球—轮复合可变形机器人的结构设计与分析.....侯康 孙汉旭 贾庆轩 (25)
- 机器人自主游动中变形体耦合动力学的数值研究.....万宏 王超 夏丹等 (32)
- 气垫式越野机器人土壤参数识别算法及其采样点选取规则.....许烁 罗哲 纪贻等 (38)
- 作平面运动滚子从动件盘形凸轮机构的广义第 II 类机构综合问题.....常勇 杨富富 胡志超等 (47)
- 以刚度为目标的微位移放大模块闭环设计方法.....宫金良 胡光学 张彦斐 (58)

机械动力学

- 轮胎稳态运动学与六分力预报 I: 理论与方法.....危银涛 沈筱亮 (65)
- 基于非齐次泊松过程和统计仿真的故障样本模拟生成.....张勇 邱静 刘冠军等 (75)
- 考虑主轴—刀柄—刀具结合面的高速主轴系统动力学特性有限元建模.....汪博 孙伟 闻邦椿 (83)
- 液固混合介质隔振系统的主共振分析.....高雷 陈前 滕汉东 (90)

制造科学与技术

数字化设计与制造

- 再制造成形技术发展及展望.....徐滨士 董世运 朱胜等 (96)
- 均压槽与静压气体轴颈轴承承载特性的关系研究.....杜建军 张国庆 刘瞰 (106)
- 变量相关情况下基于杂交 GA-PSO 算法的结构协同优化.....张千清 龚宪生 (113)
- 凹槽形仿生针头优化设计与减阻机理分析.....齐迎春 丛茜 王骥月等 (126)
- 装配尺寸路径图的建立与应用.....王晓慧 任守华 易金玲 (131)
- 低温沉积成形与电纺丝成形多尺度组织工程支架的多物理场耦合分析和试验研究.....刘大利 刘媛媛 王强高等 (137)
- 基于蚁群算法的 LED 分拣路径优化.....石炜 孙梁 董占民等 (144)
- 摩擦式双级分段变刚度汽车双质量飞轮设计理论研究及应用.....宋立权 周建东 吴荣华等 (150)
- 基于关键点的儿童鼠标外形设计.....张丙辰 过伟敏 王艳群等 (158)

制造工艺与装备

- 面向制造装备加工工艺与性能需求转换的质量屋依赖与反馈模型.....萨日娜 张树有 袁乐淼 (164)
- C/E 复合材料螺旋铣削制孔方法抑制缺陷产生的机理.....王奔 高航 毕铭智等 (173)
- 小口径非球面玻璃透镜模压成形.....尹韶辉 朱科军 余剑武等 (182)
- 空化水喷丸工艺中空化行为的数值模拟与验证.....韩冰 张海 于晓光等 (193)

- 其他..... (125)

JOURNAL OF MECHANICAL ENGINEERING

Vol.48 No.15 August 2012

CONTENTS

- Recognition of Hand Grasp Preshaping Patterns Applied to Prosthetic Hand Electromyography Control
..... YANG Dapeng ZHAO Jingdong LI Nan et al (1)
- Research on Hamiltonian Dynamics of Parallel Type Six-axis Accelerometer
..... YOU Jingjing LI Chenggang WU Hongtao (9)
- Study on the Principle of Internal Gear Manufacturing Based on Crown Worm Driving
..... CHEN Yonghong ZHANG Guanghui CHEN Bingkui (18)
- Structure Design and Analysis of a Transformable Spherical-wheel Robot
..... HOU Kang SUN Hanxu JIA Qingxuan (25)
- Numerical Study on the Dynamics of Freely Self-propelled Robotic Fish
..... WAN Hong WANG Chao XIA Dan et al (32)
- Soil Parameter Identification Algorithm and Its Selection Rules of Sampling Points for
Air-cushion-typed Off-road Robots XU Shuo LUO Zhe JI Ze et al (38)
- Research on the General Second Mechanisms Synthesis Task of Disc Cam Mechanisms with Roller Follower
Moving in General Planar Motion CHANG Yong YANG Fufu HU Zhichao et al (47)
- Closed Loop Design Method of Micro-driving Displacement Amplifier Module Targeting for Stiffness
..... GONG Jinliang HU Guangxue ZHANG Yanfei (58)
- Theory and Method of Tire Rolling Kinematics and Prediction of Tire Forces and Moments
..... WEI Yintao SHEN Xiaoliang (65)
- Fault Sample Generation Based on Nonhomogeneous Poisson Process and Statistical Simulation
..... ZHANG Yong QIU Jing LIU Guanjun et al (75)
- The Finite Element Modeling of High-speed Spindle System Dynamics with Spindle-holder-tool Joints
..... WANG Bo SUN Wei WEN Bangchun (83)
- Primary Resonance Analysis of Solid and Liquid Mixture Vibration Isolation System
..... GAO Xue CHEN Qian TENG Handong (90)
- Prospects and Developing of Remanufacture Forming Technology
..... XU Binshi DONG Shiyun ZHU Sheng et al (96)
- Influences of Pressure-equalizing Groove on the Load Capacity of Externally Pressurized
Gas Journal Bearings DU Jianjun ZHANG Guoqing LIU Dun (106)
- Structural Collaborative Optimization Based on Hybrid GA-PSO Algorithm with Correlated Variables
..... ZHANG Ganqing GONG Xiansheng (113)

(下转封三)

(上接第II页)

- Optimization Design and Drag Reduction Mechanism Research on Groove Shape Bionic Needle
..... QI Yingchun CONG Qian WANG Jiyue et al (126)
- Schematics of Assembly Dimension Route and Its Application
..... WANG Xiaohui REN Shouhua YI Jinling (131)
- Multiphysics Coupling Analysis and Experiment of Low-temperature Deposition Manufacturing
and Electrospinning for Multi-scale Tissue Engineering Scaffold
..... LIU Dali LIU Yuanyuan WANG Qianggao et al (137)
- LED Sorting Path Optimization Based on Ant Colony Optimization
..... SHI Wei SUN Liang DONG Zhanmin et al (144)
- Research and Application on Design Theory of Friction Dual Mass Flywheel with Double-stage
Piecewise Variable Stiffness SONG Liquan ZHOU Jiandong WU Ronghua et al (150)
- Mouse Shape Design of Children Based on Key Point
..... ZHANG Bingchen GUO Weimin WANG Yanqun et al (158)
- Quality House Model with Dependence and Feedback for Manufacturing Equipment Process
and Performance Requirements Conversion Sarina ZHANG Shuyou QIU Lemiao (164)
- Mechanism of Reduction of Damage during Orbital Drilling of C/E Composites
..... WANG Ben GAO Hang BI Mingzhi et al (173)
- Micro Aspheric Glass Lens Molding Process YIN Shaohui ZHU Kejun YU Jianwu et al (182)
- Numerical Simulation and Verification of Cavitation Behavior in
Water-jet Cavitation Peening Processing HAN Bing ZHANG Hai YU Xiaoguang et al (193)