CHINESE JOURNAL OF MECHANICAL ENGINEERING

Vol. 23, No. 5, 2010

Contents

537	Sequencing Mixed-model Production Systems by Modified Multi-objective Genetic Algorithms WANG Binggang
547	Design and Verification of an Auxiliary System for High Vacuum Die Casting GE Xiaohong, HUANG Hongwu, LI Hui, and LIU Yadan
553	Experimental Study of Shrinkage Displacements of Points on Injection Molded Parts ZHU Tieli, WANG Minjie, and SHENG Zhanhui
560	Flow-restricted Etching Method on Isotropic Substrates and Its Mechanism XIE Haibo, ZHENG Yi, FAN Yurun, FU Xin, and YANG Huayong
568	Abrasive Waterjet Machining Simulation by Coupling Smoothed Particle Hydrodynamics / Finite Element Method WANG Jianming, GAO Na, and GONG Wenjun
574	Correlation between Single Factor Material Constitutive Model Parameters and Temperature for Ti6Al4V Alloy YANG Yong, LI Jianfeng, and SUN Jie
582	Optimum Design for Shrink-fit Multi-layer Vessels under Ultrahigh Pressure Using Different Materials YUAN Gexia, LIU Hongzhao, and WANG Zhongmin
590	Dynamic Behavior Analysis of Finger Seal Based on Equivalent Dynamic Model SU Hua and CHEN Guoding
600	Running-in Test and Fractal Methodology for Worn Surface Topography Characterization JI Cuicui, ZHU Hua, JIANG Wei, and LU Binbin
606	Diagnosis of Intermittent Connections for DeviceNet LEI Yong and DJURDJANOVIC Dragan
613	Gabor Order Tracking Filtering Technology in Rotary Machinery LI Ning, QIN Shuren, MAO Yongfang, and YANG Jiongming
620	Real-time Tire Parameters Observer for Vehicle Dynamics Stability Control LI Liang, LI Hongzhi, ZHANG Xiaolong, HE Lin, and SONG Jian

627	On String Stable Control of Platoon of Automated Vehicles with Predecessor-successor Information Framework XIAO Lingyun and GAO Feng
635	Spatial Operator Algebra for Free-floating Space Robot Modeling and Simulation TIAN Zhixiang and WU Hongtao
641	Comprehensive Parameter for Analyzing Condensation in Pneumatic System JIN Yingzi, LI Yi, WANG Yanping, WANG Jie, and ZHU Zuchao
647	Inlet Recirculation Influence to the Flow Structure of Centrifugal Impeller YANG Ce, CHEN Shan, LI Du, YANG Changmao, and WANG Yidi
655	Modeling and Analysis of Novel Integrated Radial Hybrid Magnetic Bearing for Magnetic Bearing Reaction Wheel HAN Bangcheng
663	Vibration Control of a Composite Beam Using Self-sensing Semi-active Approach JI Hongli, QIU Jinhao, and ZHU Kongjun
I	Contents and Abstracts of Journal of Mechanical Engineering, Vol. 46, No. 17-20, 2010

Indexed and abstracted in Science Citation Index Expanded (also known as SciSearch®), Journal Citation Reports/Science Edition, Engineering Information (EI), Chemical Abstracts (CA), etc.