

农业装备与车辆工程

Nongye Zhuangbei yu Cheliang Gongcheng

2017年6月 第55卷 第6期 总第311期

目次

机械弹性车轮纯滚动工况下的侧偏特性研究	倪新伟,赵又群,林菜,付宏勋 (1)
独立悬架汽车转向系多极限环自激摆振研究	张强强,景少妮 (6)
基于 JSCAST 的拖拉机前桥铸造工艺优化	吴晗晗,孙首群,汪仕阳,黄飞 (12)
新型货物多用途运输机构设计与分析	邓涛,唐鹏,李鑫,罗远平,邓永梁 (18)
基于 ADAMS 分析横向稳定杆对 FSAE 赛车悬架性能的影响	夏振聪,储敏,周健威,赵新 (25)
枕梁与转向架接口焊缝强度优化分析	李娅娜,张辉 (29)
电动车辆双电机减速器结构设计	徐海港,张鑫,王通,潘胜祥 (33)
汽车电子稳定控制系统控制器的设计	王巍,李杰,晁银丽,陈庆樟 (36)
汽车座垫支座冲压成形工艺参数试验研究	汝绍锋,姜鸿,王涛,邱伟林 (40)
纯电动汽车轮毂电机直驱系统的研究进展	马旭,张喜清,连晋毅,王俊峰,臧学辰 (43)
基于六分力仪提取载荷谱的某乘用车副车架疲劳分析	张少辉,刘俊,刘亚军 (49)
路面附着信息及轮胎侧偏角的估计方法研究	孙涛,王英杰 (54)
基于破坏性创新理论的大蒜收获机关键部件研究	杨家升,吕冰,马晓君,王建强,颜洁 (58)
某汽车乘客安全气囊壳体的点爆强度仿真分析	严飞燕,王书文 (63)
基于时间常数的砂轮与工件接触刚度的测量研究	袁雪莲,章天昊,柳超 (67)
基于模态对标的制动鼓优化设计	黄朝慧,龙茂林,张科 (71)
内啮合渐开线齿轮泵角度变位参数的优化	周园,崔建昆 (76)
基于遗传 K-均值聚类的电动汽车充电站选址优化研究	李萌,张进 (81)
基于变传动比函数的非圆齿轮建模	张健,起雪梅,龙旭东 (84)
数控折弯机控制程序与误差分析	尹威 (88)
基于 SIMP 法的机床斜床身拓扑优化设计	刘月 (92)
某型车方向盘高速抖动分析研究	宋桂霞 (97)
气弹簧在拖拉机前机罩上的应用研究	姚芳,杨晓东,胡贵龙,沈涛 (101)
行业资讯	
本田拟在 2025 年开发出完全自动驾驶技术	(5)
现代汽车展示无人驾驶技术 采用激光雷达	(17)
Affectiva 公司研发车载情绪探测系统	(24)
大陆集团研发生物识别系统 含指纹启动	(87)
德赛西威最新智能驾驶舱亮相 CES Asia 2017	(104)
栏目索引	(105)

AGRICULTURAL EQUIPMENT & VEHICLE ENGINEERING

Vol. 55 No. 6 (Totally 311) June 2017

CONTENTS

Research on Cornering Characteristics of Mechanical Elastic Wheel in Pure Rolling Conditions	<i>Ni Xinwei, Zhao Youqun, Lin Fen, Fu Hongxun</i> (1)
Study on Self-excited Shimmy of Multiple Limit Cycles in Vehicle Steering System with Independent Suspension	<i>Zhang Qiangqiang, Jing Shaoni</i> (6)
Casting Process Optimization of Tractor Front Axle Based on JSCAST	<i>Wu Hanhan, Sun Shouqun, Wang Shiyang, Huang Fei</i> (12)
Design and Analysis of a New Multi-purpose Transportation Mechanism for Goods	<i>Deng Tao, Tang Peng, Li Xin, Luo Yuanping, Deng Yongliang</i> (18)
Analysis of the Effect of Anti-roll Bar on FSAE Racing Car Suspension Performance Based on ADAMS	<i>Xia Zhencong, Chu Min, Zhou Jianwei, Zhao Xin</i> (25)
Static Strength Optimization Analysis of Interface Weld Between Pillow Beam and Bogie	<i>Li Yana, Zhang Hui</i> (29)
Design of Double Motor Reducer Structure of Electric Vehicles	<i>Xu Haigang, Zhang Xin, Wang Tong, Pan Shengxiang</i> (33)
Design of Automotive Electronic Stability Control System Controller	<i>Wang Wei, Li Jie, Chao Yinli, Chen Qingzhang</i> (36)
Experimental Study on Stamping Process Parameters of Automobile Seat Support	<i>Ru Shaofeng, Jiang Hong, Wang Tao, Qiu Weilin</i> (40)
Research Progress of In-wheel Motor System for New Energy Electric Vehicle	<i>Ma Xu, Zhang Xiqing, Lian Jinyi, Wang Junfeng, Zang Xuechen</i> (43)
Fatigue Analysis of a Sub-frame of a Passenger Car Based on Six-axis Wheel Load	<i>Zhang Shaohui, Liu Jun, Liu Yajun</i> (49)
Study on Estimation of Tire-Road Adhesion Information and Side-slip Angle	<i>Sun Tao, Wang Yingjie</i> (54)
Research on Key Components of Garlic Harvester Based on Theory of Disruptive Innovation	<i>Yang Jiasheng, Liu Bing, Ma Xiaojun, Wang Jianqiang, Yan Jie</i> (58)
Exploding Strength Simulation Analysis for Passenger Airbag Housing	<i>Yan Feiyan, Wang Shuwen</i> (63)
Measuring Method of Contact Stiffness between Grinding Wheel and Workpiece Based on Time Constant	<i>Zhong Xuelian, Zhang Tianhao, Liu Chao</i> (67)
Optimization Design of Brake Drum Based on Modal Matching	<i>Huang Chaohui, Long Maolin, Zhang Ke</i> (71)
Angle Displacement Parameters Optimization of Internal Gear Involute Pump	<i>Zhou Yuan, Cui Jiankun</i> (76)
Research on Location Optimization of Electric Vehicle Charging Station Based on Genetic K-means Clustering	<i>Li Meng, Zhang Jin</i> (81)
Modeling of Non Circular Gear Based on Variable Transmission Ratio Function	<i>Zhang Jian, Qi Xuemei, Long Xudong</i> (84)
Synchronous Control and Error Analysis of CNC Bending Machine	<i>Yin Wei</i> (88)
Topology Optimization of Slant Bed for Turning Machine Based on SIMP	<i>Liu Yue</i> (92)
Analysis and Research on Smooth Road Shake of Steering Wheel for a Commercial Vehicle	<i>Song Guixia</i> (97)
Application of Pneumatic Spring on Tractor Front Bonnet	<i>Yao Fang, Yang Xiaodong, Hu Guilong, Shen Tao</i> (101)