

# 目 次

## 桥梁与结构工程

钢筋连续性对钢-混凝土混合式塔架结构性能的影响

- ..... 王 磊 宋龙代 颜海燕 沈小平 吉春明 何欣恒(1)  
部分填充混凝土钢桁梁桥车激响应分析 ..... 李延强 刘得运(7)  
下承式悬链线钢管混凝土拱桥空间稳定性参数敏感性分析 ..... 关 伟(14)  
贝雷梁钢便桥动力响应影响因素分析 ..... 许贵满 韩海娅(20)  
柔性人行悬索桥空间索面抗风缆索系统的找形计算方法 ..... 李保俊(25)

## 岩土与环境工程

- 橡胶粉掺量对泡沫混凝土性能影响的研究 ..... 陈龙龙 朱 涵 邵建文 石万万(31)  
列车交叠动荷载对邻近基坑结构动力响应分析 ..... 朱海涛 舒魏碧章(37)  
基于“锚杆框架梁+主动防护网”的裂隙岩质边坡治理措施研究 ..... 薛彦雨 李家欣 袁 维(44)

## 机械与测控工程

- 基于非线性车辆模型的行驶状态与路面附着系数估计 ..... 张航星 路永婕 张俊宁(49)  
汽车转向系统操纵性与稳定性协同最优控制研究 ..... 贾长旺 路永婕 杨绍普 李振宇(59)  
一类含分数阶微积分时滞微分方程的解的指数估计 ..... 鲍志超 牛江川 申永军 杨绍普(68)  
智能变电站温度实时监测系统的设计与实现 ..... 李 翱 潘存治 杨 慧(74)  
基于 AAR 标准的石砟漏斗车疲劳寿命评估 ..... 王 顺 冯国胜 李 龙 许秀峰 吕 华(82)  
汽车防撞梁电磁手爪研发 ..... 刘腾飞 王战中 孙国翔 杜启鑫(87)  
汽车顶盖喷涂轨迹的优化 ..... 杨晨霞 王战中 张保真(93)  
一种谐振软切换方案的能量分析研究 ..... 何 伟 张福生 牛影赞 罗 帅(99)  
基于 GA-BP 和小波-SVM 算法的风电场短期功率预测  
..... 陈祖成 王硕禾 赵绍策 刘治聪 王 刚(104)  
基于 SURF 和 FLANN 算法的变电所仪表定位与读数识别  
..... 巩方超 王硕禾 周启斌 韩 帅 巩思洋(110)  
固体蓄热电锅炉放热过程蓄热体组温降一致性研究 ..... 罗 勇 陈 鹏(116)

## 计算机与网络工程

- 一种顾及用户朝向的 PSO-LSSVM 指纹定位算法 ..... 沈栋林 杨 明(122)

责任编辑:车轩玉 英文编校:翟晓玲

## **CONTENTS**

Influence of Continuity of Steel Bars Between the Segments on Structural Performance of the Steel-concrete Hybrid Wind Turbine Tower	Wang Lei Song Longdai Yan Haiyan Shen Xiaoping Ji Chunming He Xinheng(1)
Dynamic Analysis of Partially Concrete-filled Steel Truss Girder Bridge Under Vehicle Load	Li Yanqiang Liu Deyun(7)
The Parametric Sensitivity Analysis on the Spatial Stability of Through Catenary Concrete-filled Steel Tube Arch Bridge	Guan Wei(14)
Dynamic Influence Analysis of Temporary Steel Bridge with Bailey Beam	Xu Guiman Han Haiya(20)
Calculation Method for the Shape-finding of Spatial Wind Cable System on Flexible Pedestrian Suspension Bridge	Li Baojun (25)
Study on the Influence of Crumb Rubberon Properties of Foam Concrete	Chen Longlong Zhu Han Shao Jianwen Shi Wanwan(31)
Dynamic Response of Adjacent Foundation with Overlapping Dynamic Load on Trains	Zhu Haitao ShuWei Bishang(37)
Research on Protection of Fractured Rock Slope Based on Anchor Frame Beam Combined with Active Net	Xue Yanyu Li Jiaxin Yuan Wei(44)
Vehicle State and Road Surface Adhesion Coefficient Estimation Based on Nonlinear Model	Zhang Hangxing Lu Yongjie Zhang Junning(49)
Study on Cooperative Optimal Control of Manipulability and Stability of Vehicle Steering System	Jia Changwang Lu Yongjie Yang Shaopu Li Zhenyu(59)
Exponential Estimation of Solutions for a Delay Differential Equations with Fractional-order Calculus	Bao Zhichao Niu Jiangchuan Shen Yongjun Yang Shaopu(68)
Design and Implementation of Temperature Real-time Monitoring System for Intelligent Substation	Li Yi Pan Cunzhi Yang Hui(74)
Fatigue Life Evaluation of Ballast Hopper Car Based on AAR Standard	Wang Shun Feng Guosheng Li Long Xu Xiufeng Lv Hua(82)
Research and Design of Electromagnetic Claw of Automobile Anti-collision Beam	Liu Tengfei Wang Zhanzhong Sun Guoxiang Du Qixin(87)
3D Deformation Analysis of Retaining Structures of Foundation Optimization of Spraying Trajectory for the Automotive Roof	Yang Chenxia Wang Zhanzhong Zhang Baozhen(93)
Research on Energy Analysis of a Soft Switching Scheme for Harmonic	He Wei Zhang Fusheng Niu Yingzan Luo Shuai(99)
Short-term Power Forecasting of Wind Farms Based on GA-BP and Wavelet -SVM Algorithm	Chen Zucheng Wang Shuohe Zhao Shaoce Liu Zhicong Wang Gang(104)
Location and Readout Identification of Instrument in Transformer Substation Based on SURF and FLANN Algorithm	Gong Fangchao Wang Shuohe Zhou Qibin Han Shuai Gong Siyang(110)
Study on Consistency of Temperature Drop of Heat Storage Unit in Solid Heat Storage Electric Boiler During Exothermic Process	Luo Yong Chen Peng(116)
A PSO-LSSVM Fingerprint Localization Algorithm Considering User's Orientation	Shen Donglin Yang Ming(122)