

目 次

智能计算

基于多特征融合的三维模型检索 ..... 张艺琨,唐 雁,陈 强( 1 )

一种与时间步长相关的奇异单元细分法 ..... 李 源,张见明,钟玉东,千红涛( 7 )

Web3D 家居素材库的轻量化技术研究 ..... 赵双燕,贾金原,周 文( 12 )

基于自适应聚类中心的脑血管分割方法 ..... 王 喆,赵世凤,田 汛,王学松,周明全( 18 )

电气与信息工程

采用模块化求解的主动配电网优化运行 ..... 张红斌,王克文( 24 )

基于二阶锥规划的主动配电网动态无功优化 ..... 章 健,熊壮壮,王明东,朱永胜( 32 )

基于时序信息分析的 WSN 贝叶斯信誉评价模型 ..... 滕志军,郭力文,吕金玲,侯艳权( 38 )

基于 PARAFAC 分解的大规模 MU-MIMO 稀疏信道估计 ..... 穆晓敏,刘亚丽,张建康,赵凌霄( 44 )

交通工程

正交各向异性路基路面在移动荷载作用下的空间动力响应 ..... 王 博,张春丽,祝彦知( 50 )

结构极值响应估计方法的有效性研究 ..... 黄孝帝,顾 颖,何 军( 55 )

脱空排水管道高聚物修复前后力学特性分析 ..... 李 斌,方宏远,王复明( 62 )

公路桥梁板式橡胶支座失效标准研究 ..... 邬晓光,贺书磊,郑 鹏,殷 悦,郭志强( 67 )

其 他

动车水箱疲劳振动试验及数值模拟研究 ..... 王建明,李潇潇( 72 )

绕管式换热器壳侧流动及传热模拟与实验研究 ..... 吴金星,刘少林,彭 旭( 77 )

喷丸表面的最佳粗糙度参数与材料硬度的关系 ..... 何声馨,刘坤坤,王 锐,张二亮,李延民( 83 )

氧化石墨烯/丁苯橡胶复合材料力学性能的分子动力学模拟.....

..... 孙 斌,郭 伟,顾建兵,米立伟( 87 )

基于深度学习和进化计算的外汇预测与投资组合优化 ..... 李章晓,宋 微,田 野( 92 )

CONTENTS

【Computation Intelligence】

3D Model Retrieval Method Based on Multiple Feature Fusion ..... ZHANG Yikun, TANG Yan, CHEN Qiang ( 1 )

An Singular Element Subdivision Method Related to Time-Step Length .....  
..... LI Yuan, ZHANG Jianming, ZHONG Yudong, QIAN Hongtao ( 7 )

The Research of Web3D Household Repository Lightweight Technology .....  
..... ZHAO Shuangyan, JIA Jinyuan, ZHOU Wen ( 12 )

Cerebral Vessel Segmentation Based on Adaptive Clustering Centers .....  
..... WANG Zhe, ZHAO Shifeng, TIAN Yun, WANG Xuesong, ZHOU Mingquan ( 18 )

【Electrical Engineering and Information Engineering】

Optimal Operation of Active Distribution Network Using Modular Solution ..... ZHANG Hongbin, WANG Kewen ( 24 )

Dynamic Reactive Power Optimization in Active Distribution Network Based on Second-Order Cone Programming .....  
..... ZHANG Jian, , XIONG Zhuangzhuang, WANG Mingdong, ZHU Yongsheng ( 32 )

WSN Bayes Reputation Evaluation Model Based on Time Series Information Analysis .....  
..... TENG Zhijun, GUO Liwen, LV Jinling, HOU Yanquan ( 38 )

Massive MU-MIMO Sparse Channel Estimation Based on PARAFAC Decomposition .....  
..... MU Xiaomin, LIU Yali, ZHANG Jiankang, ZHAO Linxiao ( 44 )

【Construction Engineering】

3D Dynamic Response of Infinite Plate on Orthotropic Foundation under Moving Loads .....  
..... WANG Bo, ZHANG Chunli, ZHU Yanzhi ( 50 )

Efficiency Analysis of Structural Extreme Response Estimation Methods ..... HUANG Xiaodi, GU Ying, HE Jun ( 55 )

Analysis of the Mechanical Characteristics of Disengaging Drainage Pipe Before and After Polymer Repairing .....  
..... LI Bin, FANG Hongyuan, WANG Fuming ( 62 )

Study on Failure Standard of Highway Bridge Rubber Bearing .....  
..... WU Xiaoguang, HE Shulei, ZHENG Peng, YIN Yue, GUO Zhiqiang ( 67 )

【Others】

Study on Vibration Fatigue Test and Numerical Simulation of EMU Tank ..... WANG Jianming, LI Xiaoxiao ( 72 )

Study on Numerical Simulation and Experiment on Fluid Flow and Heat Transfer in Shell Side of the Spiral Tube Heat Exchanger  
..... WU Jinxing, LIU Shaolin, PENG Xu ( 77 )

The Relationship Between the Optimum Roughness Parameters and the Hardness of the Material .....  
..... HE Shengxin, LIU Kunkun, WANG Rui, ZHANG Erliang, LI Yanmin ( 83 )

Molecular Dynamics Simulation of Mechanical Properties of Graphene Oxide/Styrene Butadiene Rubber Composites .....  
..... SUN Bin, GUO Wei, GU Jianbing, MI Liwei ( 87 )

Exchange Rate Forecasting and Portfolio Optimization Based on Deep Learning and Evolutionary Computation .....  
..... LI Zhangxiao, SONG Wei, TIAN Ye ( 92 )