

ISSN 1003 - 7985
CODEN JSUOAT



JOURNAL OF SOUTHEAST UNIVERSITY

(English Edition)

Vol.33 No.4 Dec. 2017
Nanjing, China

JOURNAL OF SOUTHEAST UNIVERSITY (English Edition)

Vol. 33 No. 4 Dec. 2017

CONTENTS

Phase transitions of dielectric elastomers in a circular frame	(387)
<i>Zhang Hui, Zhang Zhisheng</i>	
Particles segregation in rotating drum based on discrete element method	(391)
<i>Wu Li, Huang Peng, Fu Shuaiqi</i>	
Effect of contact angle and helix angle on slide-roll ratio under the accelerated motion state of ball screw mechanism	(398)
<i>Kong Deshun, Wang Min, Gao Xiangsheng</i>	
Improved PSO for integrating dynamic cell formation and layout problems	(409)
<i>Zhou Binghai, Lu Yubin</i>	
Dynamic modeling of a parafoil system considering flap deflection	(416)
<i>Tao Jin, Sun Qinglin, Chen Zengqiang, He Yingping</i>	
A calculation method for low dynamic vehicle velocity based on fusion of optical flow and feature point matching	(426)
<i>Liu Di, Chen Xiyuan</i>	
Signal classification system using global-local feature extraction algorithm	(432)
<i>Fang Lanling, Wu Lenan, Zhang Yudong</i>	
Emotion recognition of Uyghur speech using uncertain linear discriminant analysis	(437)
<i>Tashpolat Nizamidin, Zhao Li, Zhang Mingyang, Xu Xinzhou, Askar Hamdulla</i>	
Multimodal emotion recognition based on deep neural network	(444)
<i>Ye Jiayin, Zheng Wenming, Li Yang, Cai Youyi, Cui Zhen</i>	
Experiments on Ni/ γ -Al ₂ O ₃ catalyst for improving lower heating value of biomass gasification fuel gas via methanation	(448)
<i>Dong Xinxin, Jin Baosheng, Wang Yanyan, Niu Miaomiao</i>	
Analyses of influence of residential buildings' space organization on heating energy consumption in Lhasa	(457)
<i>Li En</i>	
Nitrification intensity and ammonia-oxidizing bacteria and archaea in different wetland plant rhizosphere soils	(466)
<i>Yan Chunni, Huang Juan, Yang Sisi, Cao Chong, Peng Cheng, Li Runqing</i>	
3D numerical simulation of high pressure squeezing process with revised Drucker-Prager/Cap model	(473)
<i>Zhang Qingdong, Ni Changjiang, Jing Tao, Wu Junjiao, Makino Hiroyasu</i>	
Fatigue damage analysis of epoxy asphalt pavement for steel bridges considering coupled effects of heavy load and temperature variations	(478)
<i>Liu Yang, Qian Zhendong, Zhang Meng</i>	
Analysis of influence factors of unconfined compressive strength for composite soil stabilizer-stabilized gravel soil	(484)
<i>Zhao Yulong, Gao Ying, Zhang Yiluo, Wang Yong</i>	
Prediction for asphalt pavement water film thickness based on artificial neural network	(490)
<i>Ma Yaolu, Geng Yanfen, Chen Xianhua, Lu Yankun</i>	
Controlled low-strength material incorporating recycled fine aggregate from urban red brick based construction waste	(496)
<i>Ran Jin, Zhang Jinxi, Yang Mijia, Jia Dongdong, Lu Shengdi</i>	
Perimeter traffic control strategy based on macroscopic fundamental diagrams	(502)
<i>Xu Jianmin, Yan Xiaowen, Ma Yingying, Jing Binbin</i>	
Pricing of discrete barrier options based on an analytical method	(511)
<i>Hu Xiaoping, Cao Jie</i>	
Construction of a class of <i>H</i> -pseudoalgebras	(517)
<i>Liu Linlin, Wang Shuanhong</i>	
General Contents of Vol. 33, 2017	(I)

东南大学学报(英文版)

2017年12月 第33卷 第4期

目 次

圆形框架上的介电弹性体相变转换	张慧 张志胜	(387)
基于离散元素法的滚筒内颗粒物质分层现象	伍力 黄鹏 付帅旗	(391)
滚珠丝杠副接触角和螺旋升角对加速运动状态下滚比的影响	孔德顺 王民 高相胜	(398)
改进粒子群算法集成解决动态单元构建与布局问题	周炳海 陆裕斌	(409)
考虑襟翼偏转的翼伞系统动态建模	陶金 孙青林 陈增强 贺应平	(416)
基于光流和特征点匹配相融合的低动态载体速度计算方法	柳笛 陈熙源	(426)
基于全局-局部特征提取算法的信号分类系统	方兰婷 吴乐南 张煜东	(432)
基于不确定性线性判别分析的维吾尔语语音情感识别	塔什甫拉提·尼扎木丁 赵力 张明阳 徐新洲 艾斯卡尔·艾木都拉	(437)
基于深度神经网络的多模态情感识别	叶佳音 郑文明 李阳 蔡友谊 崔振	(444)
Ni/ γ -Al ₂ O ₃ 甲烷化催化剂提高生物质气化燃气低位热值的实验	董新新 金保昇 王妍艳 牛森森	(448)
拉萨居住建筑空间组织对采暖能耗的影响分析	李恩	(457)
不同湿地植物根际硝化作用强度及氨氧化细菌和古菌	闫春妮 黄娟 杨思思 曹冲 彭程 李润青	(466)
基于修正Drucker-Prager/Cap模型的高压压实过程三维数值模拟	张庆东 倪长江 荆涛 吴浚郊 牧野泰育	(473)
重载和温度耦合作用下钢桥面环氧沥青铺装结构疲劳损伤分析	刘阳 钱振东 张勐	(478)
复合型土壤固化剂稳定碎石土无侧限抗压强度影响因素分析	赵瑜隆 高英 张宜洛 王勇	(484)
基于人工神经网络的沥青路面水膜厚度预测	马耀鲁 耿艳芬 陈先华 卢艳坤	(490)
基于城市红砖建筑垃圾再生细骨料的可控性低强度材料制备	冉晋 张金喜 杨米加 贾冬冬 鲁圣弟	(496)
基于宏观基本图的路网边界信号控制策略	徐建闽 鄢小文 马莹莹 荆彬彬	(502)
基于解析方法的离散障碍期权定价	胡小平 曹杰	(511)
一类H-伪代数的构造	刘琳琳 王栓宏	(517)
2017年第33卷总目次	(III)	