

目 次

基于模态分析的鄄城黄河公路大桥优化设计	王东炜, 张奇伟, 王用中	(1)
基于细观损伤的岩石受压本构关系模型研究	杨卫忠, 王博	(6)
高铁用 HRBF500 钢筋混凝土梁疲劳性能的数值分析	赵更歧, 李可, 张龙	(10)
基于七点估计法的边坡稳定可靠度求解	苏永华, 王奇山, 梁斌	(14)
HPFL 加固空斗墙砌体抗压强度试验研究	尚守平, 刘一斌, 姜巍, 等	(19)
基于 VB 语言的重力式挡土墙计算软件开发	刘继芳, 李伟锋, 马乐为	(24)
混凝土板受冲切承载力计算方法探讨	石保全, 韩菊红, 吴松锋	(28)
饱和黏土非达西渗透特性试验研究	孙丽云, 乐金朝, 张杰	(31)
SWAT 模型在淅川县丹江口库区的应用研究	宋轩, 魏冲, 寇长林, 等	(35)
FWD 与 BB 工作性能对比及其测试数据相关性研究	郑元勋, 蔡迎春, 张亚敏	(39)
一种基于交点质心求解的 RSSI 定位算法及其优化	朱浩, 顾宗海, 苏金, 等	(43)
基于累积量和盒维数的 MFSK 信号调制识别算法	黄国庆, 斩朝, 元洪波	(47)
基于 OFDM 的认知无线电系统中的功率分配改进	杨守义, 薄建华, 刘博文, 等	(51)
沥青混合料组合结构车辙变形及力学特性研究	栗培龙, 张争奇, 王秉纲	(55)
乳化沥青混合料强度影响因素的灰关联熵分析	熊锐, 陈拴发, 关博文, 等	(60)
基于应力控制箱梁截面设计数值模拟分析	张兆宁, 贺拴海, 赵煜	(65)
压路机双轮振动对整机减振性能的影响	侯劲汝, 冯忠绪, 徐倩, 等	(69)
海底隧道穿越断层破碎带预注浆加固稳定性分析	汪磊, 李涛	(73)
内河单柱式航标防撞有限元动力分析	王玉, 周星德, 蒋扬, 等	(78)
基于 MSC. Patran/Nastran 的泵车臂架分析系统的研究	吴运新, 钟志宏, 滑广军	(83)
花生壳对水中阳离子染料吸附性能的研究	邹卫华, 李苛, 白红娟, 等	(87)
乙二胺硅胶功能材料对 Cu ²⁺ 的吸附特性	范忠雷, 慎金鸽, 王玲慧, 等	(91)
响应面法优化芹菜总黄酮的微波提取工艺研究	张泽志, 王福安, 高霞, 等	(95)
在 Shell 炉粉煤输送中模拟 CO ₂ 取代 N ₂ 的工艺研究	陈飞雄, 周彩荣, 任保增	(100)
近红外光谱法快速定量分析那格列奈	石杰, 李长滨, 吴拥军, 等	(104)
基于 PIC 单片机的渗碳炉模糊 PID 温度控制系统	刘景艳, 张素妍, 郭顺京	(108)
无功补偿后工厂内部供电线路降低电耗的计算	杨育霞, 侯海森	(112)
基于多代表点的文本分类研究	陈可华	(116)
径向点插值无网格法求解电磁场边值问题	夏茂辉, 翟社霞, 李海龙, 等	(119)
多用帐篷结构设计	苗健	(122)
大学校园的建设理念 ——以郑州大学新校区建设为例	勾希杰	(126)

期刊基本参数: CN 41 - 1339/T * 1980 * b * A4 * 128 * zh * P * ¥10.00 * 1600 * 31 * 2010 - 11

责任编辑: 李秀明 陈晓堂

JOURNAL OF ZHENGZHOU UNIVERSITY (ENGINEERING SCIENCE)

Vol. 31 No. 6

Nov. 2010

CONTENTS

Optimization Design of the Yellow River Main Bridge in Juancheng Based on the Researches on the Dynamic Characteristics	WANG Dong - wei, ZHANG Qi - wei, WANG Yong - zhong	(1)
Research on Compressive Constitutive Model Based on Meso-scopic Damage of Rock Materials	YANG Wei - zhong, WANG Bo	(6)
Finite Element Analysis of Fatigue Performance for HRBF500 Reinforced Concrete Beams	ZHAO Geng - qi, LI Ke, ZHANG Long	(10)
Reliability Solving of Slope Stability Based on 7 Point Estimation Method	SU Yong - hua, WANG Qi - shan, LIANG Bin	(14)
Experimental Investigation on Row-Lock Cavity Masonry Strengthened with HPFL	SHANG Shou - ping, LIU Yi - bin, JIANG Wei, et al	(19)
Development of Gravity Retaining Wall Calculation Software Based on VB Language	LIU Ji - fang, LI Wei - feng, MA Le - wei	(24)
Calculation of Ultimate Punching Shear Strength of Concrete Slabs	SHI Bao-quan, HAN Ju-hong, Wu Song-feng	(28)
Experimental Study on Non - darcy Permeability Characteristics of Saturated Clays	SUN Li-yun, YUE Jin-chao, ZHANG Jie	(31)
Application of SWAT Model on Reservoir Area in Danjiangkou	SONG Xuan, WEI Chong, KOU Chang - lin, et al	(35)
Comparative Study of Working Performance and Test Data Correlation between FWD and Benkelman Beam	ZHENG Yuan - xun, CAI Ying - chun, ZHANG Ya - min	(39)
A RSSI Location Algorithm Based on the Centroid of Point of Intersection and Its Optimization	ZHU Hao, GU Zong - hai, SU Jin, et al	(43)
Algorithm of MFSK Signals Modulation Identification Based on Cumulant and Box Dimension	HUANG Guo-qing, JIN Zhao, YUAN Hong-bo	(47)
A Improved Strategy of Power Allocation in OFDM-based Cognitive Radio Systems	YANG Shou - yi, BO Jian - hua, LIU Bo - wen, et al	(51)
Research on Permanent Deformation and Mechanical Properties of Composite Structure Asphalt Mixture	LI Pei - long, ZHANG Zheng - qi, WANG Bing - gang	(55)
Grey Correlation Entropy Analysis of Influence Factors on the Strength of Emulsified Asphalt Mixture	XIONG Rui, CHEN Shuan - fa, GUAN Bo - wen, et al	(60)
Numerical Analysis of the Box Girder Sectional Design Based on Stress Control	ZHANG Zhao - ning, HE Shuan - hai, ZHAO Yu	(65)
Effect of Tandem Vibratory Roller under Double-Drum Vibration	HOU Jin - ru, FENG Zhong - xu, XU Qian, et al	(69)
Stability Analysis of the Fault Fracture Zone with Pre - grouting Reinforcement in Subsea Tunnel	WANG Lei, LI Tao	(73)
Finite Element Dynamic Analysis of Navigation Mark of Single Pile with Anti - collision Facilities in the Inland River	WANG Yu, ZHOU Xing - de, JIANG Yang, et al	(78)
Study on Analysis System for Boom of Truck Mounted Concrete Pump Based on MSC. Patran/Nastran	WU Yun - xin, ZHONG Zhi - hong, HUA Guang - jun	(83)
Utilization of Peanut Hull as Biosorbent for Removal of Cationic Dyes from Aqueous Solution	ZOU Wei - hua, LI Ke, BAI Hong - juan, et al	(87)
Adsorption Properties of Ethylenediamine-grafted Silica Gel on Cu ²⁺ Ions	FAN Zhong - lei, SHEN Jin - ge, WANG Ling - hui, et al	(91)
Optimization of Microwave-assisted Extraction of Flavones from Celery Using Response Surface Analysis	ZHANG Ze - zhi, WANG Fu-an, GAO Xia, et al	(95)
Simulation of CO ₂ Replacing N ₂ in Coal Transportation of Shell Gasifier	CHEN Fei - xiong, ZHOU Cai - rong, REN Bao - zeng	(100)
Rapid Quantitative Analysis of Nateglinide Based on Near Infrared Spectroscopy	SHI Jie, LI Chang - bin, WU Yong - jun, et al	(104)
Fuzzy PID Temperature System Control of Carburization Furnace Based on PIC Single Chip	LIU Jing-yan, ZHANG Su-yan, GUO Shun-jing	(108)
Calculation of Reduced Power Consumption of Enterprise Internal Power Supply Lines using Reactive Power Compensation	YANG Yu - xia, HOU Hai - sen	(112)
Research on Text Classification Based on Multiple Representative Points	CHEN Ke - hua	(116)
Radial Point Interpolation Meshless Method to Solve the Electro-magnetic Boundary Value Problem	XIA Mao - hui, ZHAI She - xia, LI Hai - long, et al	(119)
Structure Design of Multi - functional Tents	MIAO Jian	(122)
Study on Harmonious Campus Construction Idea —Taking the New Campus Construction of Zhengzhou University as an Example	GOU Xi - jie	(126)

英文责任编辑：沈 扬