

佛山科学技术学院学报

(自然科学版)

2016年7月 第34卷第4期 (总第162期)

目 次

• 数理科学 •

- 具有逆断面的正则半群上的同余 冯莹莹, 商 宇 (1)
基于 ARIMA 模型的人民币汇率预测与分析 韩晓茹, 林晓瑾 (8)
病态线性方程组的并行迭代求解 黄丽端, 林 结, 黄 润 (13)
实现多颗 LED 光源均匀照明的高亮度透镜设计 吴玉玉, 陈庆仲 (18)

• 机电与自动化 •

- 基于 Solaris 的虚拟机管理平台设计与实现 伍世杨 (23)
线性时滞系统稳定的充分必要条件 刘士亚, 肖红军, 屈莉莉, 等 (30)
关于沙口水利枢纽综合信息智能管理的研究——水利枢纽智能化实践研究 II 彭智欣 (34)
车辆在大桥斜面空档滑行的动力学与危害分析 贺德阳 (39)
泵站水位控制系统的改造 张 胜 (44)

• 土木工程 •

- 水泥浆体积对混凝土收缩影响研究 陈嘉健, 雷元新 (48)
基于荷载试验的空腹式双曲拱桥工作性能分析 黄志斌 (54)
大体积混凝土施工的养护措施及温度控制 马 乐, 符耀东, 雷元新 (59)

• 环境科学 •

- 竹银水库建库前底泥氮磷释放模拟研究及应用 I 刘红涛, 吴艳龙, 招景添, 等 (65)
旅游业对泉州经济增长的效应分析 吴瑞溢, 李蕙萱 (69)

• 医学 •

- “行气祛瘀颗粒冲剂”对髋关节置换术后静脉血栓及血液 PAF 含量的影响 黄伟韬, 蒋 托, 周燕红, 等 (73)
对注射剂说明书中关于修改日期的调查分析 葛翠翠, 胡 劲, 陈晓荣, 等 (77)
功能位低温支具配合作业治疗对脑卒中后肩手综合征的疗效观察 邹贵娣 (81)

• 生物技术 •

- 养殖水中重金属对斑马鱼的生物富集性试验 伍爱梅, 卫晋波, 苏文焯, 等 (85)
CD44 基因调节炎症的研究进展 付 强, 王爱富, 罗惠娜, 等 (94)

本期执行编辑: 邓军文 英文译校: 梁燕云

期刊基本参数: CN44-1438/N * 1983 * b * A4 * 96 * zh * P * ¥5.00 * 1000 * 19 * 2016-7

JOURNAL OF FOSHAN UNIVERSITY

(Natural Science Edition)

Vol. 34 No. 4 (Sum No. 162) Jul. 2016

CONTENTS

• Mathematic Science •

- Congruences on regular semigroups with inverse transversals.....FENG Ying-ying, SHANG Yu (1)
Forecasting and analysis of RMB exchange rate based on ARIMA model.....HAN Xiao-ru, LIN Xiao-jin (8)
Parallel iterative method for solving ill-conditioned linear equations
.....HUANG Li-chang, LIN Jie, HUANG Run (13)
The method of lens design for LEDS uniform illumination.....WU Yu-yu, CHEN Qing-zhong (18)

• Electromechanics and Automation •

- Design and implementation of virtual machine management platform based on Solaris.....WU Shi-yang (23)
A new necessary and sufficient condition for linear systems with delay
.....LIU Shi-ya, XIAO Hong-jun, QU Li-li, et al (30)
Research on the intelligent management of the comprehensive information of Shakou water conservancy hub.....PENG Zhi-xing (34)
Dynamics and damage analysis of vehicles' sliding on slope bridge.....HE De-yang (39)
Improvement of a level control system in pump station.....ZHANG Sheng (44)

• Civil Engineering•

- Effect of cement paste volume on concrete shrinkage.....CHEN Jia-jian, LEI Yuan-xin (48)
Analysis of working capability for open-spandrel double-curved arch bridge based on load test
.....HUANG Zhi-bin (54)
Maintenance measures and temperature control of mass concrete construction
.....MA Le, FU Yao-dong, LEI Yuan-xin (59)

• Environmental Science •

- Study and apply on experiment of simulative sediment nitrogen and phosphorus release before construction by Zhuyin reservoir ILIU Hong-tao, WU Yan-long, ZHAO Jing-tian, et al (65)
Analysis of the effect of tourism on the economic development in Quanzhou.....WU Rui-yi, LI Hui-xuan (69)

• Medicine •

- Effects of Xingqi Quyu Granules on vein thrombosis and Cerebral Platelet Activating Factor Content after total hip arthroplasty.....HUANG Wei-tao, JIANG Tuo, ZHOU Yan-hong, et al (73)
The investigation and analysis of the drug injection instruction about the date modified
.....GE Cui-cui, HU Jie, CHEN Xiao-rong, et al (77)
Curative effect observation of functional position orthosis (brace) with low temperature in combination with occupational therapy on shoulder-hand syndrome after stroke.....ZOU Gui-di (81)

• Biotechnology •

- A study of biological enrichment of heavy metals to zebra fish with cultured water
.....WU Ai-mei, WEI Jin-bo, SU Wen-zhuo, et al (85)
Progress on the role of CD44 in inflammation.....FU Qiang, WANG Ai-fu, LUO Hui-na, et al (94)

Serial parameters: CN44-1438/N * 1983 * b * A4 * 96 * zh * P * ¥5.00 * 1000 * 19 * 2016-07