



Ei Compendex核心期刊
RCCSE中国权威学术期刊

ISSN 1005-3026
CN 21-1344/T
CODEN DDXKEZ

东北大学学报

自然科学版

Vol.34 No.4



JOURNAL OF
NORTHEASTERN UNIVERSITY
NATURAL SCIENCE

ISSN 1005-3026



9 771005 302017

中国·沈阳
Shenyang China

4

2013

万方数据

东北大学学报(自然科学版)

Dongbei Daxue Xuebao (Ziran Kexue Ban)

第34卷 第4期 (总第271期) 2013年4月

目 次

信息与控制

- 线性时变时滞系统新的稳定性准则 郑连伟, 宋叔尼(457)
- 广义系统动态输出反馈 H_2 优化控制 杨冬梅, 徐文明, 崔磊(461)
- 基于输出反馈的离散滑模控制器设计 王宏伟, 于驰, 王素斌(465)
- 基于AFM推动的纳米棒建模与操作 吴成东, 侯静, 董再励, 李孟歆(469)
- 基于Kalman滤波器与肤色模型的手势跟踪方法 覃文军, 杨金柱, 王力, 赵大哲(474)
- 低碳型机场接送服务的改进二维扫描算法 杨培颖, 唐加福, 于洋(478)
- 基于同时向上叫价拍卖的云资源分配方法与竞价策略 王学毅, 王兴伟, 黄敏(482)
- 基于模糊诊断模型的DICOM SR关系数据库构建与XML表示 冯雪, 马宗民(486)
- 基于LDA模型的中文微博话题意见领袖挖掘 冯时, 景珊, 杨卓, 王大玲(490)
- 一类具有稳健无标度特性的LT码及其性能 赵玉丽, 朱志良, 于海(495)
- 蚁群算法在服务选取问题中的分析比较 张长胜, 任明康, 尹浩, 张斌(500)
- 基于XQuery符号表示法的模糊时空数据查询 柏禄一, 严丽, 马宗民(505)
- 互联网技术领域科研合作网络分析 关世杰, 赵海(509)
- 基于历史聚集簇的P2P网络信任模型 马毅, 谭振华, 常桂然, 王学毅(512)

材料与冶金

- 免烧成硼酸铝-碳化硅耐火材料的性能 茹红强, 赵宝玉, 李磊, 龙海波(516)
- 不同工艺下低碳马氏体钢的组织与力学性能 厉英, 崔绍刚, 马北越, 刘沿东(520)
- 超快冷终冷温度对桥梁钢组织性能的影响 陈俊, 唐帅, 刘振宇, 王国栋(524)
- 基于稳态误差的热连轧弹跳方程优化算法 彭文, 张殿华, 曹剑钊, 刘子英(528)
- 热连轧机AGC系统的优化 姬亚锋, 张殿华, 孙杰, 李旭(532)
- 预氧化对钒钛磁铁矿球团矿相及内部结构的影响 陈双印, 储满生, 唐珏, 吴祥龙(536)
- 轻烧菱镁石对生球爆裂温度的影响 高强健, 魏国, 姜鑫, 沈峰满(542)
- 以高铬型钒钛磁铁矿制备氧化球团 唐珏, 张勇, 储满生, 薛向欣(545)
- 石灰对三水铝石型铝土矿低温溶出行为的影响 潘晓林, 于海燕, 涂贻峰, 毕诗文(551)
- 气基还原处理高铝铁矿石 张作良, 李强, 李明明, 邹宗树(556)
- 铜阳极泥的工艺矿物学 李雪娇, 杨洪英, 佟琳琳, 陈国宝(560)

机械工程

- 转子系统不对中-碰摩耦合故障的动力学特性 刘杨, 太兴宇, 赵倩, 闻邦椿(564)
- 基于改进DPSO算法的航空发动机失谐叶片排序 李岩, 袁惠群, 梁明轩(569)
- 非持续载荷下椎间盘的多孔弹性特性 李睿, 郭立新(573)
- 齿轮传动系统随机振动模型与仿真 王靖岳, 郭立新, 张亮, 王浩天(578)
- 串联混合动力汽车的能量管理策略 赵广耀, 陈泽宇, 杜志远, 陈伟强(583)
- 超高速纳米陶瓷结合剂CBN砂轮制备与实验 张景强, 王宛山, 于天彪(588)

资源与土木工程

- 矿山开采的生态成本 顾晓薇, 胥孝川, 王青, 王润(594)

管理科学

- 中小房地产企业多种融资产品的选择决策问题 宋宝全, 苑莹(598)

数学·物理

- Altman型不动点定理的一些注记 张国伟, 张秀萍(602)
- 非平宇宙中的全息精质模型 张敬飞(605)

期刊基本参数: CN21-1344/T*1955*m*A4*152*zh*P*¥10.00*1500*35*2013-04

本期责任编辑: 安碧丽

JOURNAL OF NORTHEASTERN UNIVERSITY (NATURAL SCIENCE)

Volume 34 Number 4 (Sum 271) April 2013

CONTENTS

Information & Control

- New Stability Criteria for Linear Systems with Time-Varying Delay ZHENG Lian-wei, SONG Shu-ni(457)
- H_∞ Optimal Control by Output Feedback for Singular Systems YANG Dong-mei, XU Wen-ming, CUI Lei(461)
- Discrete-Time Sliding Mode Controller Design Based on Output Feedback WANG Hong-wei, YU Chi, WANG Su-xin(465)
- Modeling and Manipulation Based on AFM Pushing for Nano-rod WU Cheng-dong, HOU Jing, DONG Zai-li, LI Meng-xin(469)
- Hand Gesture Tracking Method Based on Kalman Filter and Skin Color Feature TAN Wen-jun, YANG Jin-zhu, WANG Li, ZHAO Da-zhe(474)
- Improved Two Dimensional Sweep Algorithm for Airport Shuttle Service with Lowest Carbon Emission YANG Pei-ying, TANG Jia-fu, YU Yang(478)
- Cloud Resource Allocation Method and Bidding Strategy Based on Simultaneous Upward Bidding Auction WANG Xue-yi, WANG Xing-wei, HUANG Min(482)
- Construction of DICOM SR Relational Database Based on Foggy Diagnostic Model and Representation with XML FENG Xue, MA Zong-min(486)
- Detecting Topical Opinion Leaders Based on LDA Model in Chinese Microblogs FENG Shi, JING Shan, YANG Zhuo, WANG Da-ling(490)
- Robust Scale-Free LT Code and Its Performance ZHAO Yu-li, ZHU Zhi-liang, YU Hai(495)
- Analysis and Comparison of Ant Colony Algorithms for Service Selection ZHANG Chang-sheng, REN Ming-kang, YIN Hao, ZHANG Bin(500)
- Fuzzy Spatiotemporal Data Queries Based on XQuery Symbolic Notation BAI Lu-yi, YAN Li, MA Zong-min(505)
- Analysis of Scientific Collaboration Network on Internet Technology GUAN Shi-jie, ZHAO Hai(509)
- Related Cluster Based Trust Model for P2P Networks MA Yi, TAN Zhen-hua, CHANG Gui-ran, WANG Xue-yi(512)

Materials & Metallurgy

- Performances of Burning-Free Aluminium Borate-SiC Refractory RU Hong-qiang, ZHAO Bao-yu, LI Lei, LONG Hai-bo(516)
- Microstructure and Mechanical Properties of Low-Carbon Martensite Steel Under Different Process LI Ying, CUI Shao-gang, MA Bei-yue, LIU Yan-dong(520)
- Effects of UFC Final Cooling Temperature on Microstructure and Mechanical Properties of Bridge Steels CHEN Jun, TANG Shuai, LIU Zhen-yu, WANG Guo-dong(524)
- Optimization Algorithm of Spring Equation in Tandem Hot Rolling Based on Static Errors PENG Wen, ZHANG Dian-hua, CAO Jian-zhao, LIU Zi-ying(528)
- Optimization of AGC System for Hot Strip Mills JI Ya-feng, ZHANG Dian-hua, SUN Jie, LI Xu(532)
- Effects of Pre-oxidation on Phase Composition and Microstructure of Vanadium Titano-Magnetite CHEN Shuang-yin, CHU Man-sheng, TANG Jue, WU Xiang-long(536)
- Effect of Calcinated Magnesite on Burst Temperature of Green Pellet GAO Qiang-jian, WEI Guo, JIANG Xin, SHEN Feng-man(542)
- Preparation of Oxidized Pellets with High Chromium Vanadium-Titanium Magnetite TANG Jue, ZHANG Yong, CHU Man-sheng, XUE Xiang-xin(545)
- Effect of Lime on Digestion of Gibbsite Bauxites at Low Temperature PAN Xiao-lin, YU Hai-yan, TU Gan-feng, BI Shi-wen(551)
- Treatment of High-Aluminium Content Iron Ore by Gas-Based Prereduction ZHANG Zuo-liang, LI Qiang, LI Ming-ming, ZOU Zong-shu(556)
- Technological Mineralogy of Copper Anode Slime LI Xue-jiao, YANG Hong-ying, TONG Lin-lin, CHEN Guo-bao(560)

Mechanical Engineering

- Dynamic Characteristics of Misalignment-Rubbing Coupling Fault for Rotor System LIU Yang, TAI Xing-yu, ZHAO Qian, WEN Bang-chun(564)
- Mistuned Blade Sorting Based on Improved DPSO Algorithm for Aero-Engine LI Yan, YUAN Hui-qun, LIANG Ming-xuan(569)
- Poroelectric Characteristics of Intervertebral Disc Under Intermittent Load LI Rui, GUO Li-xin(573)
- Stochastic Vibration Model and Simulation of Gear Transmission System WANG Jing-yue, GUO Li-xin, ZHANG Liang, WANG Hao-tian(578)
- Energy Management Strategy for Series Hybrid Electric Vehicle ZHAO Guang-yao, CHEN Ze-yu, DU Zhi-yuan, CHEN Wei-qiang(583)
- Manufacture and Experiment of Super High-Speed Nano-vitrified Bond CBN Grinding Wheel ZHANG Jing-qiang, WANG Wan-shan, YU Tian-biao(588)

Resources & Civil Engineering

- Ecological Cost of Mining GU Xiao-wei, XU Xiao-chuan, WANG Qing, WANG Run(594)

Management Science

- Selection-Decision of Multi-financial-production of Small-Medium Real Estate Enterprises SONG Bao-quan, YUAN Ying(598)

Mathematics · Physics

- Some Notes on Fixed Point Theorems of Altman-Type ZHANG Guo-wei, ZHANG Xiu-ping(602)
- Holographic Quintessence Model in Non-flat Universe ZHANG Jing-fei(605)

Serial parameters: CN21 - 1344/T * 1955 * m * A4 * 152 * zh * P * ¥ 10.00 * 1500 * 35 * 2013 - 04

Editor of this issue: AN Bi-li