

目次

Contents

专题综述

工程起重机械主动平衡分析及倾翻判定* 范卿 曾杨 胡玉茹 (1)
Active balance analysis and tipping judgement of engineering hoisting machinery

..... Fan Qing, Zeng Yang, Hu Yuru
大型立体车库的发展脉络 韩建文 (6)

Developing venation of large-scale stereo garage Han Jianwen

设计·计算

带式输送机正常段的托辊间距计算 付衡业 孟文俊 刘政 韩刚华 支怡琳 (13)
Calculation of roller spacing at normal segment of belt conveyor

..... Fu Hengye, Meng Wenjun, Liu Zheng, Han Ganghua, Zhi Yilin
斗轮堆取料机对不同密度物料相同取料能力的设计优化 郑安国 (20)

Design optimization of bucket wheel stacker and reclaimer handling materials of different densities with the same reclaiming capacity Zheng Anguo

基于 ObjectARX 的带式输送机三维设计 方 隲 (25)
ObjectARX-based 3D design for belt conveyor Fang Hao

液压平板车进行大件货物载运时对混凝土场地承载力要求的计算 樊巍巍 李荣遵 (29)
Calculation of bearing capacity of concrete site for hydraulic flat car carrying awkward cargoes

..... Fan Weiwei, Li Rongzun
基于 Matlab 的自行式高空作业平台转向机构优化设计 王 斌 (33)

Matlab-based optimization design of steering mechanism of self-propelled aerial work platform Wang Bin
核电站换料机主梁拱度曲线设计* 刘 刚 贾晓峰 吴凤岐 (36)

Curve design of girder camber of refueling machine of nuclear plant ... Liu Gang, Jia Xiaofeng, Wu Fengqi

分析·研究

基于 nsoft 的塔式起重机疲劳载荷谱编制及疲劳剩余寿命估算 ... 顾海浩 袁祖强 殷晨波 冯 松 (39)
Nsoft-based preparation of fatigue load spectrum and estimation of remaining life of tower crane

..... Gu Haihao, Yuan Zuqiang, Yin Chenbo, Feng Song
基于数字化样机的大型浮式起重机运动分析*

..... 衣启青 韩 力 李志刚 王 蕾 何 宁 郑晓娟 (46)
Motion analysis for large-scale floating crane based on digital prototype

..... Yi Qiqing, Han Li, Li Zhigang, Wang Lei, He Ning, Zheng Xiaojuan
核电站环行起重机起升机构的可靠性分析 朱东科 高秀芬 顾翠云 朱诗威 (50)

Reliability analysis for lifting mechanism of loop traveling crane of nuclear station
..... Zhu Dongke, Gao Xiufen, Gu Cuiyun, Zhu Shiwei

基于有限元的起重机起升机构仿真分析研究 贾体锋 李向鹏 王丽君 李长青 (54)
Simulated analysis and research on crane lifting mechanism based on finite element

..... Jia Tifeng, Li Xiangpeng, Wang Lijun, Li Changqing
F-500 型泥浆泵壳体有限元模态分析* 张卫亮 李飞舟 韩玉强 王彦平 (58)

Finite element modal analysis for F-500 slurry pump case
..... Zhang Weiliang, Li Feizhou, Han Yuqiang, Wang Yanping

大型设备自动对中方法分析 白文龙 廖 军 于 军 张国栋 (62)
Analysis for automatic centering method of large-scale equipment

..... Bai Wenlong, Liao Jun, Yu Jun, Zhang Guodong
PMSRM 模型解耦下的速度控制研究 王小燕 (67)

Study on speed control of PMSRM model decoupling Wang Xiaoyan
带式输送机液压驱动的理论研究 韵婷婷 韩 刚 王 茜 赵晓霞 (72)

Theoretic study on hydraulically power of belt conveyor
..... Yun Tingting, Han Gang, Wang Qian, Zhao Xiaoxia

刮板取料机链轮张力对功耗的影响 李 波 (75)
Effect of tension of chain wheel on power dissipation for scraper reclaimer Li Bo

客运架空索道张紧小车行程的研究 杨祥义 杜俊明 王 旭 (78)
Study on tensioning trolley stroke of passenger aerial cableway Yang Xiangyi, Du Junming, Wang Xu

电梯对重导轨支架在不同标准地震烈度下的应力研究* 马雯波 杨生泉 刘荟琼 (81)
Stress study for elevator counter-weight rail bracket under different seismic intensities

..... Ma Wenbo, Yang Shengquan, Liu Huiqiong

新产品·新技术

- 门式起重机主梁产品平台程序开发技术 马士良 (85)
 Program development technology of girder platform of gantry crane Ma Shiliang
 塔式起重机分布式群塔智能安全控制系统研制 卢云丹 蒋恩民 (89)
 Development of distribution-type group-tower intelligent safety control system of the tower crane
 Lu Yundan, Jiang Enmin
 异型集装箱研制 毛成元 秦利 翟旺 郑国梁 贾学军 (91)
 Development of unusual container Mao Chengyuan, Qin Li, Zhai Wang, Zheng Guoliang, Jia Xuejun
 一种新型环保型链条 李玉民 (95)
 New-type environment-friendly chain Li Yumin
 NORD 一体机防摇测试 张海军 刘健 (97)
 Anti-sway testing of NORD all-in-one machine Zhang Haijun, Liu Jian
 新型翻车机封闭式干雾除尘系统的设计 吴蛟 蒋栋林 (99)
 Design of closed dry-fog desilting system of new-type tippler Wu Jiao, Jiang Donglin

试验·研究

- 三相异步电动机试验系统软件设计* 许海翔 吴峰崎 姚文庆 (101)
 Design of testing system software of 3-phase asynchronous motor
 Xu Haixiang, Wu Fengqi, Yao Wenqing

安全·检测

- 内陆港口卸船机防风重点及措施探讨 殷江平 颜敏 金雷 (106)
 Discussion on emphasis and solution for ship unloader at inland port Yin Jiangping, Yan Min, Jin Lei
 圆形料场网壳融冰滑落隐患分析及防范措施 王文晓 陈国强 王野 (110)
 Analysis and countermeasures for melting-ice falling hazard of reticulated shell of circular stockyard
 Wang Wenxiao, Chen Guoqiang, Wang Ye

技术改造

- XCJLD800E 型卸船机移船系统的优化设计 唐士奇 (112)
 Optimization design of shifting system of XCJLD800E ship unloader Tang Shiqi
 水电站清污机改造设计 耿清波 赵进科 冯宇 (116)
 Transformation design of trash-cleaning machine of hydraulic power plant
 Geng Qingbo, Zhao Jinke, Feng Yu
 冶金电动葫芦起升高度限位电气控制设计的改进 蒋元栋 阮一晖 李宁 (118)
 Improvement of electrical control design of lifting height limit of metallurgical electric hoist
 Jiang Yuandong, Ruan Yihui, Li Ning
 淬火起重机起升机构制动器的改进设计 刘峰 (121)
 Improved design of brake of lifting mechanism of quenching crane Liu Feng

故障分析

- 起重机管桁结构疲劳裂纹及其强度分析 郭志康 曾光 (123)
 Fatigue crack and strength analysis for crane tube-truss structure Guo Zhikang, Zeng Guang
 电机轴电流危害及其防治措施 刘子龙 (126)
 Motor shaft current hazard and its preventive measures Liu Zilong

设备·技术

- 起重机多个操作控制站的联锁保护 邬秀金 (128)
 Interlock protection of multiple operating control stations of crane Wu Xiujin

材料·工艺

- 双卡盘装夹车削铸铁卷筒 张毅 王珂珂 宋猛 覃德明 文绪峰 (132)
 Double chuck clamping turning cast iron roller
 Zhang Yi, Wang Keke, Song Meng, Qin Deming, Wen Xufeng

行业信息

- 2015 年国内获批轨道交通项目投资已超 1 万亿元 (24)
 徐工随车起重机搭载互联网“飞”起来 (45)
 中联重科全新 TC6012A-6 型塔式起重机开启智能化新纪元 (61)
 敬告读者 (109)