



目次 Contents

《船舶工程》2018年 第40卷 第7期

船舶原理、船舶设计与船舶结构

基于数值模拟方法的深潜水作业支持船快速性综合优化
Comprehensive Optimization of Rapidity Performance of Deep Water Diving Support Vessel Based on Numerical Simulation Method
周国平, 程宣恺, 赖明雁 (1)

水翼参数对水翼复合小水线面双体船纵向运动性能的影响
Influence of Hydrofoil Parameter on Longitudinal Motion Performance of HYSWATH
孟毅, 刘亚东, 刘晨飞 (5)

大型半潜船球首设计及阻力性能对比分析
Bulbous Bow Design and Resistance Performance Comparative Analysis of Large Semi-submersible Ship
尉志源 (10)

基于区间分析方法的船舶不确定稳健设计优化
Ship Uncertainty Robust Design Optimization Based on Interval Analysis Method
李冬琴, 戴晶晶, 李国焕, 章易立, 李鹏 (14)

40万吨超大型矿砂船典型结构缺陷
Typical Structural Deficiencies of 400 000 DWT Very Large Ore Carrier
郁天磊 (20)

船舶机械

导流帽对螺旋桨水动力性能的影响研究
Research of Hub Cap Effect on Propeller Hydrodynamic Characteristics
卜锋斌, 刘爱兵, 谢清程 (25)

基于CFD的耙吸挖泥船环保阀效果分析
Effect Analysis of Green Valve of TSHD Based on CFD
于鼎, 余龙 (29)

钻孔喷嘴出口重叠度对船用辅汽轮机通流的影响
Influence of Outlet Overlap of Drill Nozzles on Throughflow of Marine Steam Turbine
江攀, 戴娜娜, 许宇健, 周振东 (34)

客船公共处所送风末端的数值模拟分析和比较
Numerical Simulation Analysis and Comparison of Air Diffusers at Public Space on Passenger Ship
王弢, 李正谋, 冯丰 (39)

船用起重机减摇控制系统设计与试验研究
Design and Experimental Research of Anti-rolling Control System for Marine Cranes
吴俊杰, 张人之, 陈海泉, 吉阳, 王生海, 韩广冬 (46)

斜拉索-磁流变阻尼器多性能约束下的减振控制算法
Vibration-Reducing Control Algorithm for Cable-magnetorheological

Damper System with Multi-performance Constraints
段玉贺, 张刚, 韩祥兰, 陈跃华, 冯志敏 (52)

船舶电气、导航、观通设备及自动控制

基于直流电网的异步发电系统控制策略
Control Strategy of Asynchronous Generation System Based on DC Grids
杨照宇, 焦依, 殷非, 王良秀 (58)

舰船供电生命力测试分析
Test and Analysis of Ship Power Supply Vitality
戚双斌, 王东阳, 刘东, 杨哲 (66)

船舶轴带无刷双馈独立发电系统的综合控制策略设计与仿真
Design and Simulation of Comprehensive Control Strategy for Ship Shaft Brushless Doubly-Fed Machine Stand-Alone Power System
高岚, 逯亚龙, 徐合力 (70)

船舶航向跟踪系统自适应单神经网络控制
Adaptive Single Neural Network Control of Ship Course Tracking System
马鹏飞, 苗保彬, 石凡, 包雄关 (76)

带扰动观测器的船舶轨迹跟踪自适应动态面滑模控制
Adaptive Dynamic Surface Sliding Mode Control for Ship Trajectory Tracking with Disturbance Observer
张晓玲, 沈智鹏, 毕艳楠 (81)

船舶舾装、修造工艺与造船材料

含点蚀损伤船体加筋板在纵向压力下的极限强度
Ultimate Strength on Hull Stiffened Plates with Pitting Corrosions under Longitudinal Compression
胡康, 杨平, 杜晶晶, 彭子牙 (88)

大型上建总段双车联吊工艺研究
Research on Double-crane Combined Lifting Techniques for Integral Segment of Mega Upper Architecture
孔宁, 吴文烈, 张盈彬, 赵晶 (95)

大型海洋平台建造总体合拢技术
Overall Integration Technology of Large Offshore Platform Construction
刘广辉, 于雁云, 林焰, 姜盛坤, 杨霖 (100)

一种带多约束的船体分段点集数据分析方法
Point Set Data Analysis Method for Hull Blocks with A Kind of Engineering Constraints
管官, 廖红玲, 纪卓尚 (107)

基于特征替换的船体结构批量参数化建模方法
Parametric Modeling Method Based on Feature Replacement for Batch Modeling of Hull Structure
罗兰, 章志兵, 孟凡冲, 孔海骄 (113)