

中文核心期刊

ISSN 1000-4653

CN 10-1741/U

中国航海

NAVIGATION OF CHINA

2022
1



中国航海学会

第45卷 第1期 2022年3月
Vol.45 No.4 March.2022

万方数据

目 次

↓←←←←←↑ ↓航行安全↑ →→→→→↑

船舶拟人智能避碰决策算法测试及应用	李丽娜,陈国权,杨凌波,许春亮,王兴华,文 婷	(1)
基于 Logit 回归对船员通用紧急报警器的听觉特征分析	韩濛阳,张均东	(8)
定量分析对船舶碰撞事故的推演与调查	刘敬贤,刘 超,李范春,王利鹏	(13)
大风浪条件下易流态化固体散货船航行风险预评估系统	刘大刚,封室丞,王康辉,赵 伟,张增海,张宇彤	(18)
基于感知差异的多船会遇冲突评估方法研究	毛天宇,刘克中,辛旭日,马 杰	(24)
海浪预报不确定下的船舶运动姿态分析方法	袁秋梦,王胜正,韩 冰,吴中岱,殷 非,刘 彬	(31)

↓←←←←←↑ ↓航海保障↑ →→→→→↑

VR 交互式三维虚拟船舶建模与仿真	杨 晓,任鸿翔,廉静静,王德龙	(37)
-------------------------	-----------------	--------

↓←←←←←↑ ↓船舶设计↑ →→→→→↑

集装箱船在波浪下的结构动态崩溃数值仿真研究	刘维勤,屈毫拓,黄 宇,杨 萌,宋学敏,王绪明	(43)
海上溢油综合处理母船	周梦东,马义平	(50)
基于多方法融合的极地邮轮设备总体参数配置方案评估研究	王孟孟,郭蕴华,成保辰,胡 义,高海波,张建峰	(54)
基于非线性反馈积分滑模控制的船舶航向自动舵设计	辛博鹏,刘 顺,Yutaka WATANABE	(63)

↓←←←←←↑ ↓港口工程↑ →→→→→↑

基于多目标优化模型的港口多载 AGV 调度方法	杨 俊,詹 军,余 勇	(66)
中美贸易摩擦对我国沿海港口集装箱吞吐量影响研究	靳廉洁,沈益华,高天航,于 滨	(73)
舟山绿色石化围垦工程前后冲淤特性研究	陆 凡,高 郁,沈良朵,王晋宝	(79)

↓←←←←←↑ ↓航海遥感↑ →→→→→↑

基于反地理编码服务的内河船舶轨迹停留语义信息提取	黄 亮,闻 宇,文元桥,卢志刚,朱 曼,张治豪	(88)
基于光学遥感影像的船舶目标识别研究	李 凯,于洪亮,徐轶群,徐 进	(95)

↓←←←←←↑ ↓环保生态↑ →→→→→↑

船用柴油机满足 GB15097 的试验分析	张世恒,杨志勇,王忠俊	(101)
海面溢油油膜交互可视化技术研究	田 睿,刘秀文	(107)
长江口潮波对海平面上升的响应研究	陈 维,毛晨浩,顾一凡,蒋茗韬,倪云林,梁慧迪	(112)
基于动态油耗模型的节能航迹规划	董良雄,李 军,王帅军,奚志平,董文兵	(120)

↓←←←←←↑ ↓智能航运↑ →→→→→↑

智能船舶航行系统测试的方法与体系	朱飞翔,李国帅,王少博	(127)
可回转多桨推进无人船的运动建模与仿真	朱 巡,高迪驹,刘志全,吴国栋	(133)

↓←←←←←↑ ↓科技动态↑ →→→→→↑

关于征集 2022 年中国航海学会科技墙报的通知		(78)
关于杂志官网地址和启用在线投稿系统的声明		(132)

NAVIGATION OF CHINA

(Mar. 2022 Sum. No. 130)

Vol. 45 No. 1

Contents

Navigation Safety

- Test and Application of Personifying Intelligent Decision-Making Algorithm for Vessel Collision Avoidance *LI Lina, CHEN Guoquan, YANG Lingbo, XU Chunliang, WANG Xinghua, WEN Ting* (1)
- Analysis on Auditory Characteristics of Crew General Emergency Alarm Based on Logit Regression *HAN Haoyang, ZHANG Jundong* (8)
- Quantitative Analysis in Maritime Accident Rehearsal and Investigation *LIU Jingxian, LIU Chao, LI Fanchun, WANG Lipeng* (13)
- Navigational Risk Pre-Evaluation System for Bulk Ships Carrying Cargo Subject to Fluidization in Heavy Sea *LIU Dagang, FENG Shicheng, WANG Kanghui, ZHAO Wei, ZHANG Zenghai, ZHANG Yutong* (18)
- Situation Evaluation for Multi-Ship Encounter Event with Perception Difference between Ships Taken into Account *MAO Tianyu, LIU Kezhong, XIN Xuri, MA Jie* (24)
- A Method for Analyzing Ship Motion Attitude under the Condition of Uncertain Sea Wave Forecast *YUAN Qiumeng, WANG Shengzheng, HAN Bing, WU Zhongdai, YIN Fei, LIU Bin* (31)

Navigation Support

- 3D Virtual Ship Construction and Simulation through VR Interactive Technology *YANG Xiao, REN Hongxiang, LIAN Jingjing, WANG Delong* (37)

Ship Design

- Simulation Study of Dynamic Collapse of Container Ship Structure under the Action of Wave *LIU Weiqma, QU Haotuo, HUANG Yu, YANG Meng, SONG Xuemin, WANG Xuming* (43)
- Design of a Comprehensive Vessel for Oil Spill Treatment at Sea *ZHOU Mengdong, MA Yiping* (50)
- General Parameter Evaluation Concerning Equipment Configuration for Polar Cruise with Combination of Multiple Methods *WANG Mengmeng, GUO Yunhua, CHENG Baochen, HU Yia, GAO Halbo, ZHANG Jianfeng* (54)
- Design of Steering Pilot Featuring Integral Sliding Mode Control with Nonlinear Feedback *XIN Bopeng, LIU Shun, Yutaka WATANABE* (63)

Port Engineering

- Multi-objective Optimization of Multiple Loading AGV Dispatch in Ports *YANG Jun, ZHAN Jun, SHE Yong* (66)
- Impact of Seno-US Trade Friction on Container Throughput of China Sea Ports *JIN Lianjie, SHEN Yihua, GAO Tianhang, YU Bin* (73)
- Impact of Zhoushan Green Petrochemical Reclamation Project on Sediment Deposition and Scouring *LU Fan, GAO Yu, SHEN Liangduo, WANG Jinbao* (79)

Marine Remote Sensing

- Associating Ship Position with Semantic Information by Using Reverse Geocoding Service *HUANG Liang, WEN Yu, WEN Yuanqiao, LU Zhigang, ZHU Man, ZHANG Zhihao* (88)
- Ship Target Recognition from Optical Remote Sensing Image *LI Kai, YU Hongliang, XU Yiqun, XU Jin* (95)

Ecological and Environmental Protection

- Test of Marine Diesel Engine for GB15097 Compliance *ZHANG Shiheng, YANG Zhiyong, WANG Zhongjun* (101)
- Visualization of Interaction between Oil Film and Objects/ Sea Surface for Oil Spill Simulation *TIAN Rui, LIU Xiuwen* (107)
- Impact of Sea Level Rising on Tidal Wave at Mouth of the Yangtze River *CHEN Wei, MAO Chenhao, GU Yifan, JIANG Mingtao, NI Yunlin, LIANG Huidi* (112)
- Route Planning for Energy Saving Based on Dynamic Oil Consumption Model *DONG Liangxiang, LI Jun, WANG Shuaijun, XI Zhiping, DONG Wenbin* (120)

Logistics Engineering

- Test Method and Test System for Intelligent Ship Navigation System *ZHU Feixiang, LI Guoshuai, WANG Shaobo* (127)
- Motion Modeling and Simulation of USV with Multiple Azimuth Propulsion *ZHU Xun, GAO Diju, LIU Zhiquan, WU Guodong* (133)