

AI-based surrogate model for the prediction of ship fuel consumption reflecting hydrometeorological conditions

Zhang, Mingyang; Tsoulakos, Nikolaos; **Kujala, Pentti Jouko Sakari**; Hirdaris, Spyros Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering - OMAE 2024 ; vol. 9 2024 / OMAE2024-121992, V009T13A016 ; 11 pages
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Comparative study on numerical hydroelastic analysis of impact-induced loads

Yan, Dongni; **Hosseinzadeh, Saeed**; Lakshmyanarayanan, Puramharikrishnan; Mikkola, Tommi; Hirdaris, Spyros 23rd Numerical Towing Tank Symposium : 11th – 13th October 2021 Mülheim an der Ruhr, Germany 2021 / p. 150-155 : ill https://www.uni-due.de/ISMT/ismt_nutts_2021.php

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A Quasi-dynamic approach for the evaluation of structural response in ship collisions and groundings

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A ship digital twin for safe and sustainable ship operations

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Slamming loads and responses on a non-prismatic stiffened aluminium wedge : Part II. Numerical simulations

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Slamming loads and responses on a non-prismatic stiffened aluminium wedge: Part I. Experimental study

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Systems driven intelligent decision support methods for ship collision and grounding prevention : Present status, possible solutions, and challenges

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The influence of fluid structure interaction modelling on the dynamic response of ships subject to collision and grounding

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