

Calm-water performance of a boat with two swept steps at high-speeds: Laboratory measurements and mathematical modeling

Niazmand Bilandi, Rasul; Vitiello, Luigi; Mancini, Simone; Nappo, Vincenzo; Roshan, Fatemeh; Tavakoli, Sasan; **Dashtimanesh, Abbas** Procedia manufacturing 2020 / p. 467-474 : ill <https://doi.org/10.1016/j.promfg.2020.02.046>

CFD analyses on the water entry process of a freefall lifeboat

Huang, Luofeng; Tavakoli, Sasan; Li, Minghao; Dolatshah, Azam; Pena, Blanca; Ding, Boyin; **Dashtimanesh, Abbas** Ocean engineering 2021 / art. 109115, 11 p. : ill <https://doi.org/10.1016/j.oceaneng.2021.109115> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison between the dynamic behavior of the non-stepped and double-stepped planing hulls in rough water: A numerical study

Esfandiari, Arman; Tavakoli, Sasan; **Dashtimanesh, Abbas** Journal of ship production and design 2020 / Paper Nr: SNAME-JSPD-2020-36-1-52 ; p. 52–66 <https://doi.org/10.5957/jspd.2020.36.1.52>

Dynamic motion analysis of stepless and stepped planing hulls in random waves: a CFD model perspective

Niazmand Bilandi, Rasul; Tavakoli, Sasan; Mancini, Simone; Dashtimanesh, Abbas Applied Ocean Research 2024 / art. 104046 <https://doi.org/10.1016/j.apor.2024.104046>

Dynamic of a planing hull in regular waves: Comparison of experimental, numerical and mathematical methods

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Dynamic of tunneled planing hulls in waves

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Effects of step configuration on hydrodynamic performance of one- and doubled-stepped planing flat plates: A numerical simulation

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Effects of vertical motions on roll of planing hulls

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Hull-propeller interaction for planing boats: a numerical study

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Hydrodynamic study of heeled double-stepped planing hulls using CFD and 2D+T method

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Numerical analysis of shipping water impacting a step structure

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Numerical study on a heeled one-stepped boat moving forward in planing regime

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Performance prediction of a Hard-Chine Planing Hull by employing different CFD models

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A revisited verification and validation analysis for URANS simulation of planing hulls in calm water

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Seakeeping of double-stepped planing hulls

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Ship acceleration motion under the action of a propulsion system: a combined empirical method for simulation and optimisation

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A six-DOF theoretical model for steady turning maneuver of a planing hull

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Stepped hulls early stage design by implementing 2D+T method

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Wake waves of a planing boat : an experimental model

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