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EDITORIAL

TOP

Computational Methods Applied to Some Diverse Topics in Marine Engineering
Bernt J. Leira and H. Ronald Riggs
J. Waterway, Port, Coastal, Ocean Eng. 138(1), 1-1 (2012) ;
http://dx.doi.org/10.1061/(ASCE)WW.1943-5460.0000131
Online Publication Date: 15 Dec 2011
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TECHNICAL PAPERS

TOP

Ocean Current Inference Using Towed Cable Hydrodynamics
Nick Polydorides and Esklid Storteig
J. Waterway, Port, Coastal, Ocean Eng. 138(1), 2-8 (2012) ;
http://dx.doi.org/10.1061/(ASCE)WW.1943-5460.0000077
Online Publication Date: 26 Oct 2010
Abstract | Full Text HTML | References | PDF (266 KB) | Permissions

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Wave- and Wind-Induced Dynamic Response of a Spar-Type Offshore Wind Turbine
Madjid Karimirad and Torgeir Moan
J. Waterway, Port, Coastal, Ocean Eng. 138(1), 9-20 (2012) ;
http://dx.doi.org/10.1061/(ASCE)WW.1943-5460.0000087
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Simulation of Water Circulation over a Model of a Submarine Canyon by Using FIC-FEM Numerical Model
A. German, J. García-Espinosa, M. Espino, and M. A. Maidana
J. Waterway, Port, Coastal, Ocean Eng. 138(1), 21-29 (2012) ;
http://dx.doi.org/10.1061/(ASCE)WW.1943-5460.0000105
Online Publication Date: 26 May 2011
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Statistical Analysis of Stress Histories for Fatigue Damage Design of Floating Fish Cages
Paul E. Thomassen and Bernt J. Leira
J. Waterway, Port, Coastal, Ocean Eng. 138(1), 30-41 (2012) ;
http://dx.doi.org/10.1061/(ASCE)WW.1943-5460.0000114
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Derivation of a New Model for Prediction of Wave Overtopping at Rubble Mound Structures
Ebrahim Jafari and Amir Etemad-Shahidi
J. Waterway, Port, Coastal, Ocean Eng. 138(1), 42-52 (2012) ;
http://dx.doi.org/10.1061/(ASCE)WW.1943-5460.0000099
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Evaluation of the Structure of Levee Transitions on Wave Run-Up and Overtopping by Physical Modeling
Drake Oaks, Billy Edge, and Patrick Lynett
J. Waterway, Port, Coastal, Ocean Eng. 138(1), 53-62 (2012) ;
http://dx.doi.org/10.1061/(ASCE)WW.1943-5460.0000103
Online Publication Date: 15 Dec 2011
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On the Extractable Power from a Tidal Channel
Patrick F. Cummins
J. Waterway, Port, Coastal, Ocean Eng. 138(1), 63-71 (2012) ;
http://dx.doi.org/10.1061/(ASCE)WW.1943-5460.0000102
| Cited **3** times
Online Publication Date: 5 May 2011
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TECHNICAL NOTES

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Field Measurements of Tug Waves in the Cagliari Harbor, Italy
Andrea Atzeni and Andrea Sulis
J. Waterway, Port, Coastal, Ocean Eng. 138(1), 72-76 (2012) ;
http://dx.doi.org/10.1061/(ASCE)WW.1943-5460.0000101
| Cited **1** time
Online Publication Date: 5 May 2011
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- Field measurements of ship-generated waves were performed in the Cagliari Harbor where tugboats are significant wave generators that can adversely affect small-sized moored vessels. A method is proposed in which the major characteristics of the ship-generated waves in areas where wind waves and swell occur can be assessed and presented. The requirements and limitations of the method are also discussed. The results of the method application to field data were compared to an extensively used empirical equation from the literature for the prediction of the maximum wave height generated by tug passages. Although this comparison was affected by the uncertainties in the formation and propagation of ship-generated waves, it confirmed the practical validity of the proposed method.