Technical Papers

Tsunami Loads on a Representative Coastal Bridge Deck: Experimental Study and Validation of Design Equations

Tao Xiang, Denis Istrati, Solomon C. Yim, Ian G. Buckle and Pedro Lomonaco

Mini-Tsunami Made by Ship Moving Across a Depth Change

John Grue

Spatial Topographic Interpolation for Meandering Channels

Vo Quoc Thanh, Dano Roelvink, Mick van der Wegen, Le Xuan Tu, Johan Reyns and Vo Thi Phuong Linh

Experimental Study on Influence of Pile Wall on Flow Field Around Pile-Supported Wharf

Jian-Jun Huang, Guo-Ping Chen and Qian Yu

Development of a Probabilistic Framework for Debris Transport and Hazard Assessment in Tsunami-Like Flow Conditions

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Study on the Self-Sustaining Inlet Boundary Conditions for Numerical Simulation on Local Scour

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Impacts of Muddy Bed Aggregates on Sediment Transport and Management in the Tidal James River, VA

David W. Perkey, S. Jarrell Smith, Kelsey A. Fall, Grace M. Massey, Carl T. Friedrichs and Emmalynn M. Hicks

Sign Constrained Bayesian Inference for Nonstationary Models of Extreme Events

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Estimation of Water Column Surface Displacement of a Fixed Oscillating Water Column by Simple Mechanical Model with Determination of Hydrodynamic Parameters via Physical Experimental Model

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Han Liu, Ning Ma and Xie-Chong Gu

Flume Tank Testing of Offshore Wind Turbine Dynamics with Foundation Scour and Scour Protection

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Christopher H. Lashley, Jeremy D. Bricker, Jentsje van der Meer, Corrado Altomare and Tomohiro Suzuki

Lateral Bearing Performance of a Defective Pile-Supported Wharf with Batter Piles

Z. Yan, X. P. Sun, Z. X. Yang and D. F. Fu

Numerical Simulation of Turbidity Current in Approach Channels with a Closed End

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Front Wall and In-Chamber Impact Loads on a Breakwater-Integrated Oscillating Water Column

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Case Studies

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