

# CONTENTS

<b>Dynamic Responses of Floating Structures</b> <i>by Jun C. Chao</i> . . . . .	105
<b>Diffraction of Waves by a Wedge</b> <i>by Wilbert Lick</i> . . . . .	119
<b>Runup of Irregular Waves on Plane Smooth Slope</b> <i>by J. William Kamphuis and Nazir Mohamed</i> . . . . .	135
<b>Wave Forces on Multiple Vertical Cylinders</b> <i>by Subrata K. Chakrabarti</i> . . . . .	147
<b>Hydrodynamic Drag Forces on Groups of Flat Plates</b> <i>by David J. Ball and Norman J. Cox</i> . . . . .	163
<b>Finite Element Modeling of Nearshore Currents</b> <i>by Philip Li-Fan Liu and Gerard P. Lennon</i> . . . . .	175
<b>Virtual Mass of Coarse Granular Media</b> <i>by Alim A. Hannoura and John A. McCorquodale</i> . . . . .	191
<b>Channel Erosion in Southwestern Louisiana Canal</b> <i>by Linda N. Doiron and Charles A. Whitehurst</i> . . . . .	201
<b>Mass Transport in Shallow Water Waves</b> <i>by Michael de St. Q. Isaacson</i> . . . . .	215
<b>Wave Setup and Design Water Level</b> <i>by Uwe A. Hansen</i> . . . . .	227

→

---

This Journal is published quarterly by the American Society of Civil Engineers. Publications office is at 345 East 47th Street, New York, N.Y. 10017. Address all ASCE correspondence to the Editorial and General Offices at 345 East 47th Street, New York, N.Y. 10017. Allow six weeks for change of address to become effective. Subscription price to members is \$6.00. Nonmember subscriptions available; prices obtainable on request. Second-class postage paid at New York, N.Y. and at additional mailing offices. IR, WW.

The Society is not responsible for any statement made or opinion expressed in its publications.

---

DISCUSSION  
Proc. Paper 13714

---

<b>Sinkage and Resistance for Ships in Channels</b> , by John S. McNown (Aug., 1976. Prior Discussions: Aug., 1977). <i>closure</i> . . . . .	243
<b>Nonlinear Wave Forces on Large Offshore Structures</b> , <sup>a</sup> by Michael de St. Q. Isaacson (Feb., 1977. Prior Discussions: Nov., 1977 and Feb., 1978). <i>by Paruchuri Venkatanarasaiah</i> . . . . .	245
<b>Wave-Induced Circulation in Shallow Basins</b> , by Robert A. Dalrymple, Robert A. Eubanks, and William A. Birkemeier (Feb., 1977. Prior Discussions: Nov., 1977). <i>closure</i> . . . . .	247
<b>Drag and Inertia Forces on a Cylinder in Periodic Flow</b> , <sup>a</sup> by C. J. Garrison, John B. Field, and Michael D. May (May, 1977. Prior Discussions: Feb., 1978). <i>by John S. McNown and Albert P. Learned</i> . . . . .	247
<b>Beach Sand Transport: Distribution and Total Drift</b> , <sup>a</sup> by Paul D. Komar (May, 1977. Prior Discussions: Feb., 1978). <i>by Ryszard B. Zeidler</i> . . . . .	250
<b>Estimating Wave Generation on Restricted Fetches</b> , <sup>a</sup> by Richard J. Seymour (May, 1977). <i>by Dennis C. Cotter and Subrata K. Chakrabarti</i> . . . . .	254
<b>Added Mass of Pile Group</b> , <sup>a</sup> by Robert J. Gibson and Hsiang Wang (May, 1977). <i>by Subrata K. Chakrabarti</i> . . . . .	256
<b>Formation and Reversal of Vortices around Circular Cylinders Subjected to Water Waves</b> , <sup>a</sup> by Momchilo M. Zdravkovich and John E. Namork (Aug., 1977). <i>by Subrata K. Chakrabarti</i> . . . . .	259
<b>Tidal Prism of Equilibrium Inlets</b> , <sup>a</sup> by Muthusamy Krishnamurthy (Nov., 1977). <i>by Todd L. Walton, Jr.</i> . . . . .	260

---

<sup>a</sup>Discussion period closed for this paper. Any other discussion received during this discussion period will be published in subsequent Journals.