

<<全球华人水动力学学术会议论文集>>

图书基本信息

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书籍目录

Keynote Lectures Long-period oscillations in a harbor excited by broad-banded random sea waves Boundary layer flows under solitary wave Hydrodynamic problems associated with construction of sea-crossing bridges Origin of vortical action as the fabric of the universe Recent progress in dynamics of boundary layer transition Lattice Boltzmann models for hydrodynamics Numerical simulation of aquatic eco-environment of Bo Hai Bay
Session A1 Exact variational formulation of free-surface gravity flow around hydrofoil accounting for surface tension Nuclear Solitary Wave Finding multiple solutions of nonlinear problems by means of the homotopy analysis method Dispersion in open-channel flow subject to the processes of sorptive exchange on the bottom and air-water exchange on the free surface The effect of temperature distribution on the mass species transport in the micro—channel driven by electroosmosis
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Session B2 Simulations of interactions between nonlinear waves and multi or an array of cylinders The numerical simulation of local scour in front of a vertical-wall breakwater A Finite element solution of wave forces on a horizontal circular cylinder close to the sea-bed Numerical study on flow and dispersion in urban street canyons of asymmetrical configurations Application of a three-point explicit compact difference scheme to the incompressible Navier-Stokes equations
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