Special Issue

Mathematical and Numerical Modeling of Water Waves

Message from the Guest Editors

Water waves are commonly used as example of waves but *"have all the complications that waves can have"* as Prof Richard Feynman pointed out in his *Lectures on Physics*. Starting from the mid 19th century, fundamental wave theories for deep and shallow waters were formulated providing a mathematical framework for applications in physics and engineering. This Special Issue of *Fluids* collects reviews and original research on recent developments in the mathematical and numerical modeling of water waves phenomena. Specific topics may include wave breaking, nonlinear wave propagation, spectral wave modeling, wave turbulence, rogue waves, solitary waves, wave–current interaction, wave–structure interaction, and wave energy conversion.

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