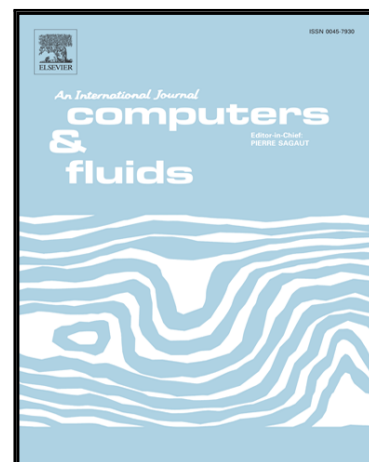


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A New Level Set Numerical Wave Tank with Improved Density Interpolation for Complex Wave Hydrodynamics

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Highlights

- A new level set based numerical wave tank
- High-order discretization for accurate modeling of wave hydrodynamics
- Improved density interpolation for improved stability and accuracy
- Very good numerical results for non-breaking waves
- Breaking wave kinematics are fully captured

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