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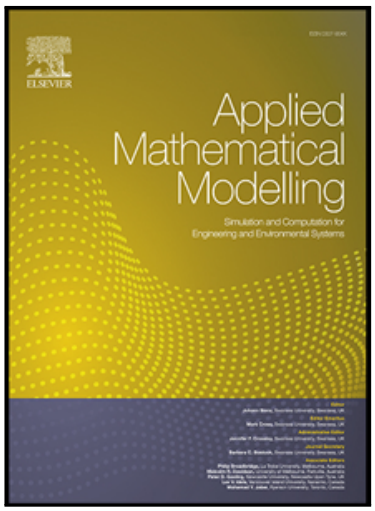

An Improved Serre Model: Efficient Simulation and Comparative Evaluation

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Highlights

- A new Serre model with improved dispersion characteristics is considered;
- A careful development of the new model allows an efficient numerical implementation;
- A splitting scheme based on high order finite volume and finite difference is used;
- Numerical experiments illustrate the superiority of the proposed model.

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