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Simulation of acoustic and flexural-gravity waves in ice-covered oceans

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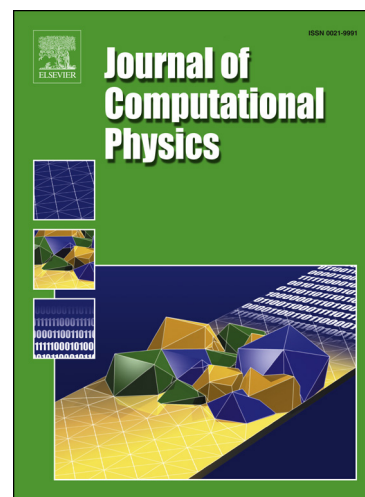
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Highlights

- Derive a high-fidelity method for simulation of acoustic and flexural gravity waves.
- Such waves arise when studying ocean wave interactions with floating ice shelves.
- Particular emphasis is on a well-posed treatment of the fluid-ice coupling.
- To ensure high-fidelity simulations, the SBP-SAT method is utilized and extended.
- Numerical computations corroborate the stability and accuracy properties.

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