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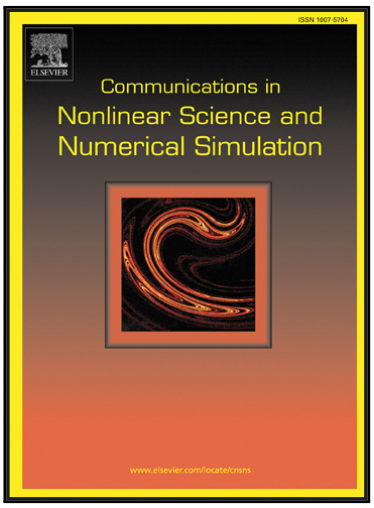

Symmetries of the shallow water equations in the Boussinesq approximation

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Highlights

- Symmetries of the shallow water equations in the Boussinesq approximation are studied.
- Two different Lagrangians are considered.
- Conservations laws of the equations studied were found by using Noether's theorem.

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