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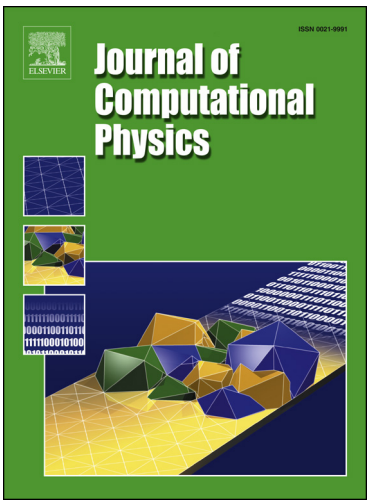

High order accurate finite difference schemes based on symmetry preservation

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Highlights

- A method to construct high order accurate invariant finite difference schemes.
- Based on Lie symmetries, modified equations and equivariant moving frames.
- Symmetry preservation, ease of implementation and improvement in order of accuracy.

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