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High-order Multi-dimensional Limiting Strategy with Subcell Resolution

Hojun You, Chongam Kim

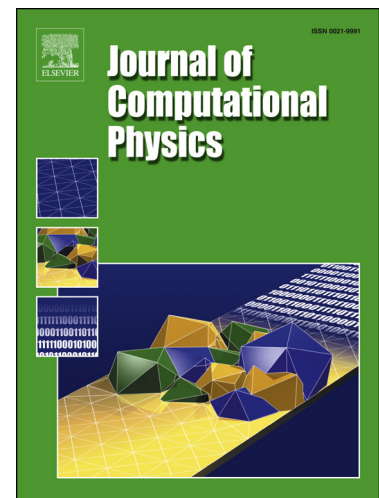
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Highlights

- Subcell monotonicity and its extension on 2-D mixed meshes have been realized.
- Novel troubled-boundary detector is designed to capture subcell G-W oscillations.
- *h*MPL_BD limiting is validated by extensive test cases on 2-D mixed meshes.

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