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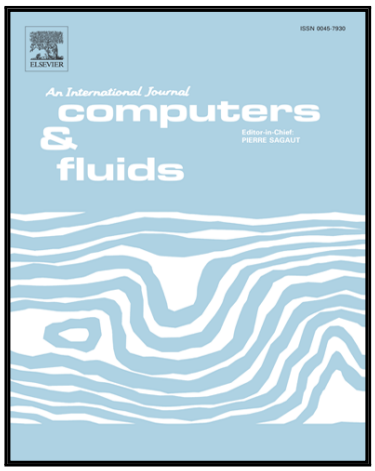

An Ideal Compressible Magnetohydrodynamic Solver with Parallel Block-structured Adaptive Mesh Refinement

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Highlights

- A parallel dynamically adaptive magnetohydrodynamic solver is developed
- Structured mesh adaptation is provided by the AMROC framework
- Several verification tests in 2D and 3D are used to demonstrate correctness
- Good parallel scalability is obtained with and without dynamic refinement

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