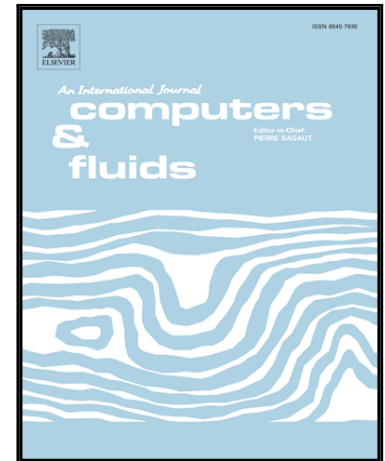


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Assessment of the LD-DSMC Hybrid Method for Hypersonic Rarefied Flow

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Highlights

- Validation of accuracy and efficiency of the LD-DSMC hybrid simulation
- LD-DSMC approach for hypersonic flows having a wide range of local Knudsen number
- Axisymmetric hypersonic flow over blunt bodies, sphere and Mars Path Finder
- Sensitivity investigation of LD-DSMC hybrid scheme to numerical parameters

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