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Hyperbolic advection–diffusion schemes for high-Reynolds-number boundary-layer problems

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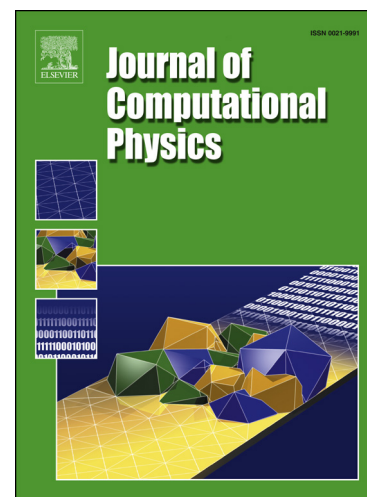
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## Highlights

- Optimal length scale  $Lr = 1/Re$  is derived by minimizing an error for a boundary-layer problem.
- Implicit solver convergence and accuracy are significantly improved by the optimal length scale.
- Hyperbolic schemes converge faster in CPU time than conventional schemes on refined grids.

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