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Improved Vortex Method for Large-eddy Simulation Inflow Generation

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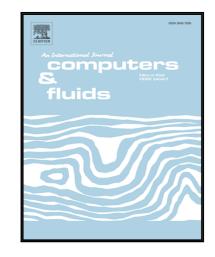
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Highlights

- Improvement of the vortex methods performance (measured in terms of adaptive distance) for large-eddy simulation inflow generation.
- Introduction of velocity-derivative skewness as a criterion to evaluate energy balance in turbulent flows
- The improved vortex method can generate high-quality turbulence according to the assessment by velocity-derivative skewness.



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