

Effects of Numerical Dissipation on the Interpretation of Simulation Results in Computational Fluid Dynamics

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Highlights

- Numerical dissipation rate is computed for two different CFD codes
- Numerical dissipation is comparable to an explicit SGS dissipation in LES
- DNS results are improved when numerical dissipation is used to redefine Reynolds number
- Subroutines for computing numerical dissipation for OpenFOAM are provided

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