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Publications

PUBLICATIONS

- Evaluation of subgrid-scale models in decaying rotating stratified turbulence *JOURNAL OF TURBULENCE*
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  2024

- Stable, entropy-consistent, and localized artificial-diffusivity method for capturing discontinuities *Physical Review Fluids*
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- Studies of transonic aircraft flows and prediction of initial buffet onset using large-eddy simulations *AIAA Aviation 2023 Forum*
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- Wall modeled large-eddy simulations of flow over the Sandia transonic hump *AIAA Aviation Forum*
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- Non-Boussinesq subgrid-scale model with dynamic tensorial coefficients *PHYSICAL REVIEW FLUIDS*
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- Large eddy simulations of forced and stably stratified turbulence: Evolution, spectra, scaling, structures and shear *International Journal of Heat and Fluid Flow*
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- Turbulent cascade, bottleneck, and thermalized spectrum in hyperviscous flows *PHYSICAL REVIEW FLUIDS*
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