Publications

PUBLICATIONS

- Stable, entropy-consistent, and localized artificial-diffusivity method for capturing discontinuities *Physical Review Fluids*
  Jain, S. S., Agrawal, R., Moin, P.
  2024

- Studies of transonic aircraft flows and prediction of initial buffet onset using large-eddy simulations *AIAA Aviation 2023 Forum*
  2023

- Wall modeled large-eddy simulations of flow over the Sandia transonic hump *AIAA Aviation Forum*
  Agrawal, R., Elnahhas, A., Moin, P.
  2023

- Non-Boussinesq subgrid-scale model with dynamic tensorial coefficients *PHYSICAL REVIEW FLUIDS*
  Agrawal, R., Whitmore, M. P., Griffin, K. P., Bose, S. T., Moin, P.
  2022; 7 (7)

- Large eddy simulations of forced and stably stratified turbulence: Evolution, spectra, scaling, structures and shear *International Journal of Heat and Fluid Flow*
  Agrawal, R., Chandy, A. J.
  2021; 89 (June 2021)

- Turbulent cascade, bottleneck, and thermalized spectrum in hyperviscous flows *PHYSICAL REVIEW FLUIDS*
  Agrawal, R., Alexakis, A., Brachet, M. E., Tuckerman, L. S.
  2020; 5 (2)