

Forum on Turbulent Flows, 1993: Presented at the Fluids Engineering Conference, Washington, D.C., June 20-24, 1993, Martin J. Morris, B. F. Carroll, American Society of Mechanical Engineers, 1993, 1993, 9780791809631

@inproceedings{Mankbadi1993ComputationalAA, title={Computational aero- and hydro-acoustics 1993 : presented at the Fluids Engineering Conference, Washington, D.C., June 20-24, 1993}, author={Reda R. Mankbadi}, year={1993} }. Reda R. Mankbadi. Published 1993. Engineering. Save to Library. Create Alert. Cambridge Core - Nonlinear Science and Fluid Dynamics - Turbulent Flows. Recirculating turbulent flows of thixotropic fluids. Journal of Non-Newtonian Fluid Mechanics, Vol. 99, Issue. 2-3, p. 183. The engineering student who diligently follows and works through the book should acquire a substantial degree of competence in understanding the behaviour and fundamental physical processes involved in turbulent flows and getting familiar with the various approaches for modelling or stimulating turbulent flows. Conference: ASME Fluids Engineering Summer Meeting. At: Washington, DC. Authors: Kolawole Ajayi. kinematics present at the higher Reynolds numbers. For laminar flow, similar measurement difficulties were bypassed by the turbulent flow past a sudden contraction in a pipe was experimentally investigated. Measurements of wall pressure and centerline velocity at several Reynolds numbers indicate some effect of Re on the flow characteristics, namely the size of the recirculation zone downstream of the contraction and the length requirement needed to attain full recovery from the perturbation imparted on the flow by the geometry. Elevated turbulence intensities at higher Re appear to be responsible for attenuation. In Symposium on Transitional and Turbulent Compressible Flows, 1993 ASME Fluids Engineering Conference, Washington, B.C., June 21-24. Google Scholar. 21. El-Hady, N. M. 1991. Pruett, C. D. and Chang, C.-L. 1993. A comparison of PSE and DNS for high-speed boundary-layer flows. FED. 151, 57-67. Google Scholar. 79. Pruett, C. D. and Chang, C.-L. 1995.