Unsteady flows, 1995: presented at the 1995 ASME/JSME Fluids Engineering and Laser Anemometry Conference and Exhibition, August 13-18, 1995, Hilton Head, South Carolina #1995 #American Society of Mechanical Engineers. Fluids Engineering Division #191 pages #American Society of Mechanical Engineers, 1995

leanoard 1995 fluids. Date uploaded. Jan 28, 2018.Â Note that secondary circulations are present with the QUICK and Arakawa calculations, but suppressed by the other schemes. This result is not unexpected since values of PAare greater than 10 over much of the flow field.Â The damping of the secondary flows is also evident when looking at the maximum vorticity in the core of the cavity, a reasonable indicator of the onset of cell formation. For a cavity with A = 10.0and a highly conductive fluid with Pr close to zero, Figure 10 shows the variation of the maximum core vorticity versus Grashof number. A sharp increase in vorticity is displayed by the QUICK and Arakawa calculations as cells start to form near Gr = 8000, a value very close to the critical Grashof number typical of low-Pr flows. Prepared for the 1995 ASME/JSME Fluids Engineering and Laser Anemometry Conference and Exhibition sponsored by the American Society of Mechanical Engineers Hilton Head, South Carolina, August 13â€“18, 1995. National Aeronautics and Space Administration. On the Uncertainty of Single Rotatable Hot-Wire Techniques.Â The hot-wire technique on which the present analysis is based was developed by Al-Beirutty et al. (1988,1989), which is appli-cable for measuring the mean velocity vector and Reynolds stress tensor in low turbulence intensity ows where the ow direction can be arbitrarily skewed in yaw and pitch relative to the probe body by as much as 30 degrees. The ultimate goal of this investi-gation is to quantify the propagation of uncertainties of the various. ASME Turbo Expo 2017: Turbomachinery Technical Conference and Exposition, 2017. 39. 2017. Unsteady effects on transonic turbine blade-tip heat transfer. NR Atkins, SJ Thorpe, RW Ainsworth. Journal of turbomachinery 134 (6), 2012. 34*. 2012. Effusion-cooling performance at gas turbine combustor representative flow conditions. VU Kakade, SJ Thorpe, M GerendÃ¡s. ASME Turbo Expo 2012: Turbine Technical Conference and Exposition, 857-869, 2012. 32. 2012.Â ASME/JSME Fluids Engineering and Laser Anemometry Conference and Exhibition, 1995. 14. 1995. The development of a Doppler global velocimeter for transonic turbine applications. RW Ainsworth, SJ Thorpe. ASME 1994 International Gas Turbine and Aeroengine Congress and Exposition, 1994. 13. 1994. The 1995 ASME/jsme fluids engineering and laser anemometry conference and exhibition. August 13-18, 1995 hilton head, south carolina. sponsored by. The fluids engineering division, ASME. edited by. R. s. budwig university of idaho. R. yamane NASA lewis research center. C. t crowe washington state university.Â An Experiment for Thermal Anemometry Measurements in Nonisothermal Flows. S. A. Sherif. Fire-Whirl Enhanced Combustion Kozo Saito and Clifford J. Cremers. Instructional Fluid Dynamics in Viscous Flow: Part I - Finite-Difference Solution for Stagnation Flow Near a Rotating Disc S. C. Lee, Q. Diao, and B. Green. Flow visualization and image processing of multiphase systems : presented at the 1995 ASME/JSME Fluids Engineering and Laser Anemometry Conference and Exhibition, August 13-18, 1995, Hilton Head, South Carolina. Responsibility. sponsered by the Fluids Engineering Division, ASME ; edited by Wei-Jei Yang, Fujio Yamamoto, F. Mayinger. Imprint. New York : American Society of Mechanical Engineers, c1995. Physical description. vii, 267 p. : ill.