

Unsteady Aerodynamics, Aeroacoustics And Aeroelasticity Of Turbomachines

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model-Numerical unsteady aerodynamics for turbomachinery aeroelasticity-Development of an efficient and robust linearised navier-stokes flow solver-Optimized dual-time stepping technique for time-accurate navier-stokes calculations-- Part 7: Experimental unsteady aerodynamics-Experimental and numerical study of nonlinear interactions in two-dimensional transonic nozzle flow-Interaction between shock waves and cascaded blades-Measured and calculated unsteady pressure field in a vaneless diffuser of a centrifugal compressor-DPIV measurements of the flow field between a transonic rotor and an upstream stator-Unsteady pressure management with correction on tubing distortion-- Part 8: Aerothermodynamics-Unsteady 3D navier-stokes-Analysis of unsteady aerothermodynamic effects in a turbine-combustor-- Part 9: Rotor stator interaction-Stator-rotor aeroelastic interaction for the turbine last stage in 3D transonic flow-Effects of stator clocking in systems of rows-Rotor-stator interaction in a highly loaded, single-stage, unsteady measurements in the rotor relative frame-Two-stage turbine experimental investigations of unsteady stator-to-stator interaction. EAN/ISBN : 9781402046056 Publisher(s): Springer Netherlands Discussed keywords: Aerodynamik, Aeroelastizität, Akustik, Turbomaschinen Format: ePub/PDF Author(s): Hall, Kenneth C. - Kielb, Robert E. - Thomas, Jeffrey P.

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