



## Flow of Real Fluids

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Book Condition: New. Publisher/Verlag: Springer, Berlin | Ernst-August Müller: Biographische notizen.- Veröffentlichungen von Ernst-August Müller.- The reverse-flow theorem for transonic flow.- Oscillations of a subsonic flow in an abruptly expanding circular duct.- On aerodynamic sound generation by airfoil-vortex interaction.- Sound radiation from planes and cylinders into fluids without and with flow.- Modelling of acoustic radiation problems associated with turbomachinery and rotating blades.- Wave momentum and power balance in a boundary layer.- The effect of viscosity on the mach stem length in unsteady strong shock reflection.- The inhomogeneous wave equation of thermoacoustics.- Real gas dynamics of fluids with high specific heat.- Adiabatic phase transitions and wavesplitting in fluids of high specific heat.- On sudden rock and gas mass outbursts.- Investigation of large-scale vortex rings in he ii by acoustic measurements of circulation.- Simple twodimensional flows generated by weak heat sources in liquid helium II.- Charakterisierung von Heliumclustern in einem Molekularstrahl.- Clusterformation in supersonic nozzle beams.- Reduction to finite dimensions of continuous systems having only a few amplified modes.- Akustische Turbulenz.- Deterministic chaos in rotational Taylor-Couette flow.- On slender vortices.- The turbulent Couette flow from asymptotic theory viewpoint.- The response of a turbulent flat plate boundary layer to sound waves moving in...



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