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Nota di contenuto	Steady solutions of the Navier-Stokes equations representing plane flow in channels of various types -- On properties of steady viscous incompressible fluid flows -- Parameterization of subgrid-scale motion in numerical simulation of 2-dimensional Navier-Stokes equation at high Reynolds number -- CO_+ -semigroups for flows past obstacles and for flows with capillary surfaces -- A finite element approximation of Navier-Stokes equations for incompressible viscous fluids. Iterative methods of solution -- The initial value problem for the Boussinesq equations with data in L_p -- A finite element method for the simulation of a Rayleigh-Taylor instability -- Spectral calculation of the stability of the circular Couette Flow -- Numerical solution of the complete Navier-Stokes equations for the simulation of unsteady flows -- A survey on the functional dynamical system generated by the Navier-Stokes equations -- Solution of the time-dependent incompressible Navier-Stokes and Boussinesq equations using the Galerkin finite element method -- Auxiliary flux and pressure conditions for Navier-Stokes problems -- Classical solutions of the Navier-Stokes equations -- Direct and repeated bifurcation into turbulence -- Approximation of the hydrodynamic equations by a transport process -- Some decay properties of solutions of the Navier-Stokes equations -- The implicit difference schemes for numerical solving the Navier-Stokes equations

-- Finite-difference solutions of the Navier-Stokes equations for axially symmetric flows in spherical gaps -- Numerical investigation of unsteady viscous incompressible flow about bodies for varying conditions of their motion -- On the regularity of solutions of the nonstationary Navier-Stokes equations -- The asymptotic behaviour of solutions of the Navier-Stokes equations near sharp corners -- High resolution spectral calculations of inviscid compressible flows -- Analysis of Navier-Stokes type equations associated to mathematical models in fluid dynamics -- On the finite element approximation of the nonstationary Navier-Stokes problem -- On the convergence rate of nonstationary Navier-Stokes approximations -- Optimisation of Hermitian methods for Navier-Stokes equations in the vorticity and stream-function formulation -- Navier-stokes calculations with a coupled strongly implicit method Part II: Spline deferred-corrector solutions -- Strange attractors and characteristic exponents of turbulent flows -- Selection mechanisms in symmetry breaking phenomena -- High Reynolds-number flows -- Application of spectral methods to the solution of Navier-Stokes equations -- Regularity questions for the Navier-Stokes equations -- Numerical experiments with a multiple grid and a preconditioned Lanczos type method -- New solutions of the Karman problem for rotating flows.
