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Nota di contenuto	Lyapunov methods and equations of parabolic type -- Multiple solutions of nonlinear partial differential equations -- Fading memory and functional-differential equations -- Singular perturbation by a quasilinear operator -- Remarks on branching from multiple eigenvalues -- Asymptotic analysis of a class of nonlinear integral equations -- Remarks about bifurcation and stability of quasi-periodic solutions which bifurcate from periodic solutions of the Navier Stokes equations -- Bifurcation of periodic solutions into invariant tori: The work of Ruelle and Takens -- Ergodic theory and statistical mechanics of non-equilibrium processes -- Mathematical problems in theoretical biology -- On predator-prey equations simulating an immune response -- Bifurcation theory for gradient systems -- Six lectures on the transition to instability -- Groundwater flow as a singular perturbation problem and remarks about numerical methods -- Nonlinear problems in nuclear reactor analysis -- Some non-linear problems in statistical mechanics and biology -- Stability properties and periodic behavior of controlled biochemical systems.

