

1. Record Nr.	UNISA996466484103316
Titolo	Equadiff 6 : proceedings of the International Conference on Differential Equations and Their Applications, held in Brno, Czechoslovakia, Aug. 26-30, 1985 / / edited by Jaromir Vosmansky and Milos Zlamal
Pubbl/distr/stampa	Berlin, Germany ; ; New York, New York : , : Springer-Verlag, , [1986] ©1986
ISBN	3-540-39807-4
Edizione	[1st ed. 1986.]
Descrizione fisica	1 online resource (XXII, 430 p.)
Collana	Lecture Notes in Mathematics, , 0075-8434 ; ; 1192
Disciplina	515.35
Soggetti	Global analysis (Mathematics) Differential equations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Mathematical and numerical study of nonlinear problems in fluid mechanics -- Free boundary problems in fluid dynamics -- Method of rothe in evolution equations -- Boundary value problems in weighted spaces -- Critical point theory and nonlinear differential equations -- Ordinary linear differential equations — A survey of the global theory -- Numerical and theoretical treating of evolution problems by the method of discretization in time -- Algorithms for the inclusion of solutions of ordinary initial value problems -- Recent developments in the theory of function spaces -- On properties of oscillatory solutions of non-linear differential equations of the n-th order -- Uniqueness without continuous dependence -- Connections in scalar reaction diffusion equations with neumann boundary conditions -- On a certain boundary value problem of the third order -- On nonparasite solutions -- Uniform zeros for beaded strings -- Perron intergaral, perron product integral and ordinary linear differential equations -- On the zeros of some special functions: Differential equations and nicholson-type formulas -- Surjectivity and boundary value problems -- Some problems concerning the equivalences of two systems of differential equations -- Linear perturbations of general disconjugate equations -- On optimal control of systems with interface side conditions -- A description of blow-up for the solid fuel ignition model -- Spectral

analysis of non-self-adjoint elliptic operators -- On the Mountain Pass Lemma -- On uniqueness and stability of steady-state carrier distributions in semiconductors -- Partial regularity of minimizers -- Periodic solutions of partial differential equations with hysteresis -- Stability and bifurcation problems for reaction-diffusion systems with unilateral conditions -- Boundary integral equations of elasticity in domains with piecewise smooth boundaries -- Higher regularity of weak solutions of strongly nonlinear elliptic equations -- Some regularity results for quasilinear parabolic systems -- Classical boundary value problems for Monge-Ampère type equations -- Qualitative properties of the solutions to the navier-stokes equations for compressible fluids -- On Gel'fand's method of chasing for silving multipoint boundary value problems -- Stability and error estimates valid for infinite time, for strongly monotone and infinitely stiff evolution equations -- Recent results in the approximation of free boundaries -- Finite element solution of a nonlinear diffusion problem with a moving boundary -- Analysis of thacker's method for solving the linearized shallow water equations -- The convergence of a new method for calculating lower bounds to eigenvalues -- Bifurcation analysis of stimulated brillouin scattering -- Superconvergence results for linear triangular elements -- Mixed finite element in 3D in $H(\text{div})$ and $H(\text{curl})$ -- Free boundary problems for stokes' flows and finite element methods -- Enclosing methods for perturbed boundary value problems in nonlinear difference equations -- Error estimates for finite element methods for semilinear parabolic problems with nonsmooth data -- Singularities in two- and three-dimensional elliptic problems and finite element methods for their treatment -- Some new convergence results in finite element theories for elliptic problems -- Mathematical solution of direct and inverse problem for transonic cascade flows -- Einige Anwendungen der Mehrdimensionalen Approximationstheorie zur Lösungseinschließung bei Randwertaufgaben -- A posteriori estimations of approximate solutions for some types of boundary value problems -- Nonlinear dynamics systems - bifurcations, continuation methods, periodic solutions -- The rothe method for nonlinear hyperbolic problems -- Some solved and unsolved canonical problems of diffraction theory -- Entropy compactification of the transonic flow -- The global existence of weak solutions of the mollified system of equations of motion of viscous compressible fluid -- Bifurcations near a double eigenvalue of the rectangular plate problem with a domain parameter -- Delay makes problems in population modelling.
