

1. Record Nr.	UNISA996466581103316
Titolo	Ordinary and partial differential equations : proceedings of the seventh conference held at Dundee, Scotland, March 29-April 2 1982 // edited by W. N. Everitt and B. D. Sleeman
Pubbl/distr/stampa	Berlin ; ; Heidelberg : , : Springer-Verlag, , [1982] ©1982
ISBN	3-540-39561-X
Edizione	[1st ed. 1982.]
Descrizione fisica	1 online resource (XX, 728 p.)
Collana	Lecture Notes in Mathematics ; ; Volume 964
Classificazione	35-06 34-06
Disciplina	515.35
Soggetti	Differential equations Differential equations, Partial
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	On the asymptotic behaviour of the Titchmarsh-Weyl m-coefficient and the spectral function for scalar second-order differential expressions -- Some limit circle eigenvalue problems and asymptotic formulae for eigenvalues -- Integral inequalities and exponential convergence of solutions of differential equations with bounded delay -- Bifurcation of periodic travelling waves for a reaction-diffusion system -- The Dirac equation with an anomalous magnetic moment II -- Periodic solutions of a class of Hamiltonian systems -- Multiparameter problems: The last decade -- An approach to the dirichlet index for operators satisfying minimal conditions -- Nonlinear neutral functional differential equations in product spaces -- A connection formula for the Second Painlevé Transcendent -- The inverse scattering problem for acoustic waves -- On the Hukuhara-Kneser property for some cauchy problems in locally convex topological vector spaces -- Essential self-adjointness and self-adjointness for Generalized Schrödinger Operators -- Asymptotic theory for a critical class of fourth-order differential equations -- Oscillation and nonoscillation theorems for some non-linear ordinary differential equations -- Entropy numbers, s-numbers and eigenvalues -- The singular perturbation approach to flame theory with chain and competing reactions -- On the singular values of non-

self-adjoint operators of Schrödinger type -- Optimal control of systems governed by elliptic operator of infinite order -- Comparison principles for some fourth order elliptic problems -- Weak solutions of integrodifferential equations and applications -- Titchmarsh's q -dependent boundary conditions for Hamiltonian systems -- Exterior boundary value problems for perturbed equations of elliptic type -- Linear transport theory and an indefinite Sturm-Liouville problem -- Non-normalizable eigenfunction expansions for ordinary differential operators -- Some aspects and recent developments in linear control theory -- Eigenvalue problems and the Riemann zeta-function -- Superposition principles and pointwise evaluation of Sturm-Liouville eigenfunction expansions -- Qualitative theory of hyperbolic characteristic initial value problems -- Applications of a comparison theorem for quasi-accretive operators in a Hilbert space -- A singular sixth order differential equation with orthogonal polynomial eigenfunctions -- On the asymptotics of some Volterra equations with locally finite measures and large perturbations -- Periodic oscillations of forced pendulum-like equations -- A simple layer potential method for three-dimensional eddy current problems -- Index laws for some ordinary differential operators -- Converse initial value problems for a class of heat equations -- Higher order inverse eigenvalue problems -- Indefinite Sturm-Liouville problems -- The infinitesimal generator of a stochastic functional differential equation -- On solutions to the initial-boundary problem for perturbed porous medium equation -- A survey of global properties of linear differential equations of the n -th order -- Strongly nonlinear evolution variational inequalities -- A further result on the essential spectrum of linear $2n$ th order differential expressions with complex coefficients -- On error bounds for nonstationary spectral Navier-Stokes approximations -- Sectorial second order differential operators -- Spectral mapping theorems for dissipative C_0 -semigroup generators -- Some preliminary results on periodic solutions of matrix Riccati equations -- Solitary and travelling waves in a rod -- Investigations in the theory of partial differential equations of infinite order -- Well-posed boundary problems for Hamiltonian systems of limit point or limit circle type -- On uniform asymptotic expansion of a class of integral transforms -- On a new numerical method for a new class of nonlinear partial differential equations arising in nonspherical geometrical optics -- Local existence theorems for ordinary differential equations of fractional order -- Application of the theorem of connectivity of M_7 in astronomy -- Perturbations of periodic boundary conditions -- Bifurcation problems with triangular symmetry -- On the foundations of thermodynamics -- On some conjectures on the deficiency index for symmetric differential operators -- On a second-order differential expression and its Dirichlet integral -- An inverse eigenvalue problem for the Laplace operator.
