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Nota di contenuto	Spectral theory of ordinary differential operators -- Quasi-linear equations of evolution, with applications to partial differential equations -- Spectral theory of partial differential operators -- Different applications of convex and nonconvex optimization, especially to differential equations -- Results and problems in the spectral theory of periodic differential equations -- Sobolev embeddings -- Integral inequalities and spectral theory -- On the deficiency indices of powers of formally symmetric differential expressions -- On the spectral theory of schrödinger and dirac operators with strongly singular potentials -- Scattering theory for differential operators, III; exterior problems -- Swirling flow -- A survey of spectral theory for pairs of ordinary differential operators -- Deficiency indices and properties of spectrum of some classes of differential operators -- Eigenvalue problems for nonlinear second order differential equations -- Left-definite multiparameter eigenvalue problems.