1. Record Nr. UNISA996466515703316

Titolo	Conference on Applications of Numerical Analysis : held in Dundee/Scotland, March 23-26, 1971 / / edited by John L. Morris
Pubbl/distr/stampa	Berlin, Germany ; ; New York, New York : , : Springer-Verlag, , [1971] ©1971
ISBN	3-540-36976-7
Edizione	[1st ed. 1971.]
Descrizione fisica	1 online resource (XII, 364 p.)
Collana	Lecture Notes in Mathematics, , 0075-8434 ; ; 228
Disciplina	515.35
Soggetti	Numerical analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	On the identification of systems and some related questions -- Invariant imbedding: Semigroups in time, space and structure -- Minimisation de Fonctionnelles Non-Differentiables -- Nonlinear integral equations and field approximation problems -- Some modified eigenvalue problems -- On difference schemes for parabolic differential equations with derivative boundary conditions -- Cell discretization -- Circular arithmetic and the determination of polynomial zeros -- Computation of the moments of solutions of certain random two point boundary value problems -- Stabilite et Precision des Schemas DSN pour l'Equation de Transport en Geometrie Spherique -- Some applications of the numerical solution of integral equations to boundary value problems -- On the inverse eigenvalue problem for matrices and related problems for difference and differential equations -- The differential correction algorithm for rational L? approximation -- Resolution Numerique de Certains Problemes Hyperboliques non Lineaires. Methode de Pseudo-Viscosite -- Stability of discretizations on infinite intervals -- A rational basis for function approximation -- Some results on best possible error bounds for finite element methods and approximation with piecewise polynomial functions -- Removal of an instability in a free convection problem -- Bounds for the error in approximate solutions of ordinary differential equations -- Numerical solution of the sturm liouville problem with periodic boundary conditions -- One dimensional

methods for the numerical solution of nonlinear hyperbolic systems -- The development and application of simultaneous iteration for eigenvalue problems -- An iterative procedure for the solution of linear and nonlinear equations -- On weak stability, stability, and the type of a polynomial -- Error estimates for certain integration rules on the triangle -- Linear multistep methods with variable matrix coefficients -- Parode: A new representational method for the numerical solution of partial differential equations -- On deriving explicit Runge-Kutta methods -- A finite element for three dimensional function approximation -- Conformal transformation methods for the numerical solution of harmonic mixed boundary value problems.