

1. Record Nr.	UNISA996466638603316
Titolo	Proceedings of the symposium on differential equations and dynamical systems : University of Warwick, September 1968-August 1969, Summer School, July 15-25 1969 / / edited by David Chillingworth
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer-Verlag, , [1971] ©1971
ISBN	3-540-36662-8
Edizione	[1st ed. 1971.]
Descrizione fisica	1 online resource (XIV, 178 p.)
Collana	Lecture Notes in Mathematics, , 0075-8434 ; ; 206
Classificazione	46Fxx 47E05 46E35
Disciplina	515.35
Soggetti	Differential equations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	On the measure-preserving flow on the torus -- Breaking of waves -- Group extensions of discrete dynamical systems -- Conditions for integrability of certain equations -- Formalisme Lagrangien -- Continuous flows on the plane -- Non-linear cubic differential equations -- Mathematical theory of general systems -- Mathematical theory of multi-level systems -- Geometric elements in the theory of transformations of ordinary second-order linear differential equations -- Dynamical systems on an n-torus -- Continuous flows on the plane : techniques I -- Continuous flows on the plane : techniques II -- Generalisation of Bendixson's theory -- Geodesic flows -- Instability -- One-parameter families of diffeomorphisms -- Topology and mechanics -- Generic properties of conservative systems -- Dynamical systems on nilmanifolds -- Linearizing a diffeomorphism -- Topologically transitive diffeomorphisms of T^4 -- ?-explosions -- Singularities of exponential maps -- Periodic points, measures and Axiom A -- Holomorphic vector fields on CP^2 -- Small delays don't matter -- Conjugacy and ergodicity -- $SL(n,R)$ actions -- $Diff(M)$ is simple? -- Distributed parameters control -- Flows outside a compact invariant set -- Non-linear Volterra equations -- Ergodic Hamiltonian theory -- Subharmonic solutions to Duffing's equation -- Similarity of

automorphisms of the torus -- Differential equations with periodic coefficients -- An algebraic approach to dynamical systems -- Volterra equations and semi-flows -- Homomorphisms of minimal sets -- Boundedness of solutions of 2nd order equations -- Möbius transformations in stability theory -- Some maximum principles for Itô equations -- A periodic wave propagation model for pattern formation in embryos -- Intrinsically ergodic systems -- The group of diffeomorphisms, and motion of fluids -- Positional information and the spatial pattern of cellular differentiation -- Bifurcations -- Théorie de Fuchs sur une variété analytique complexe -- Invariant subsets of hyperbolic sets -- The principle of Maupertuis -- Instability in $\text{Diff}(T^3)$ -- A global concept of stability under persistent perturbations -- Hausdorff dimension and transversality of discrete flows -- Universal foliations -- Foliations of the plane -- Synthesis of control systems on manifolds -- Foliations and transformation groups -- Report on Bott's theorem on foliations -- Topological equivalence of foliations -- Foliations -- Diffeomorphismes du tore T^3 -- Foliations -- Algebraic invariants of foliations -- Work of Gromov: generalization of the Smale-Hirsch theorem -- List of speakers at the afternoon sessions of the summer school 15th – 25th July 1969 -- Foliations of codimension one -- Expanding attractors -- Equivalence of dynamical systems -- Generic bifurcation -- Probabilistic convergence of approximations for partial differential equations -- Mathematical structure of network synthesis -- Actions of \mathbb{R}^2 on manifolds -- A generalization of Mackey's imprimitivity theorem -- Algebraic problems in dynamical systems -- Almost periodic minimal sets -- Anosov diffeomorphisms -- Sufficiency of jets -- Asymmetric manifolds (Report withdrawn) -- Universal unfoldings (Report not received) -- Functional-differential systems and pattern learning -- Stability theory for partial differential equations -- A functional approach to stability of differential equations -- Numerical analysis of nonlinear oscillations -- Dichotomies and stability theory -- Commuting diffeomorphisms -- Predictions for the future of differential equations -- For Ralph.
