

1. Record Nr.	UNINA9910788789003321
Titolo	The connection between infinite dimensional and finite dimensional dynamical systems : proceedings of the AMS-IMS-SIAM joint summer research conference held July 19-25, 1987, with support from the National Science Foundation and the Air Force Office of Scientific Research // Basil Nicolaenko, Ciprian Foias, Roger Temam, editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [1989] ©1989
ISBN	0-8218-7687-2 0-8218-5432-1
Descrizione fisica	1 online resource (380 p.)
Collana	Contemporary mathematics, , 0271-4132 ; ; volume 99
Disciplina	515/.352
Soggetti	Differentiable dynamical systems Differential equations, Parabolic Nonlinear theories Fluid mechanics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"AMS-IMS-SIAM Joint Summer Research Conference in the Mathematical Sciences on the Connection between Infinite and Finite Dimensional Dynamical Systems ... held at the University of Colorado, Boulder, Colorado"--Title page verso.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Contents""; ""Preface""; ""Dynamical systems in infinite dimension""; ""A construction of inertial manifolds""; ""Analytic structure of dynamical systems""; ""Hausdorff and Lyapunov dimensions for gradient systems""; ""Persistent heteroclinic orbits""; ""Orientation of saddle connections for a reaction diffusion equation""; ""Finite dimensionality in the complex Ginzburg-Landau equation""; ""Periodic dynamical system with application to Sine-Gordon equations: Estimates on the fractal dimension of the universal attractor""; ""Inertial manifolds for models of compressible gas dynamics"" ""A model of double-diffusive convection with periodic boundary conditions""""Controversies concerning finite/infinite sequences of fluid corner vortices""

