

1. Record Nr.	UNINA9910164132403321
Titolo	Chaos, complexity and transport : proceedings of the CCT '15 : Conference on Chaos, Complexity and Transport 2015, Marseilles, France, 1-5 June 2015 // editors, Xavier Leoncini, Christophe Eloy, Gwenn Boedec
Pubbl/distr/stampa	New Jersey : , : World Scientific, , 2017 ©2017
ISBN	981-320-274-2
Descrizione fisica	1 online resource (294 pages) : color illustrations
Disciplina	003/.857
Soggetti	Chaotic behavior in systems Transport theory Nonlinear theories Fluid dynamics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Radiation driven bifurcations in fusion plasmas / S. Baschetti, D. Galassi, E. Serre, J. Bucalossi, H. Buerand, G. Ciraolo, Ph. Ghendrih, P. Tamain -- Dynamics and topology of micromagnetic vortices / A.D. Verga -- Under the microscope cover slip: spontaneous flows and bacterial behavior / L. Vincent and E. Kanso -- Correlation decay and large deviations for mixed systems / R. Artuso -- On nonlinear fractional maps: nonlinear maps with power law memory / M. Edelman -- Distributions of time of flight and mixing efficiency in three dimensional chaotic advection / F. Raynal and Ph. Carriere -- Spatio-temporal dynamics in reactive reversed microemulsions / J. Carballido-Ladeira -- Transport and diffusion around a homoclinic point / P. Meunier, P. Huck, C. Nobili, E. Villermaux -- Non-hyperbolic transport in confined oscillatory convection / L. Oteski, Y. Duguet, L.R. Pastur -- Diffusive chaos in navigation satellites orbits / J. Daquin, A.J. Rosengren, K. Tsiganis -- New chaos indicators for systems with extremely small Lyapunov exponents / K. Okubo, K. Umeno -- Linear and nonlinear responses and universality of critical exponents in

Hamiltonian systems with long-range interaction / S. Ogawa --  
Magnetic impurities and transport in topological insulators / L.  
Raymond, A. Verga, A. Demion -- 1D Cahn-Hilliard dynamics :  
transition modes and stability criteria / M. Mcheik, S. Villain-Guillot --  
An optimal family of detectors for passive radar systems using digital  
communication signals / G. Chabriel, J. Barrere, F. Briolle, G. Gassier --  
Fractal structures in electroless metal deposition systems / R. Sultan, A.  
Saeddine, H. Farah, A.Z. Eddin.

---