

1. Record Nr.	UNISALENTO991001084219707536
Titolo	Science and imagination in 18.-century British culture = Scienza e immaginazione nella cultura inglese del Settecento : proceedings of the Conference, Gargnano del Garda, 12-16 prile 1985 / edited by Sergio Rossi
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Altri autori (Persone)	Rossi, Sergio
Altri autori (Enti)	Lombardia : Assessorato alla cultura e all'informazione Università degli Studi <Milano>
Disciplina	509.41
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2. Record Nr.	UNINA9910788781903321
Titolo	Fluids and plasmas : geometry and dynamics / / Jerrold E. Marsden, editor
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [1984] ©1984
ISBN	0-8218-7613-9
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Note generali	"Proceedings of the AMS-IMS-SIAM Joint Summer Research Conference in the Mathematical Sciences on Fluids and Plasmas, Geometry and Dynamics held at the University of Colorado, Boulder, July 17-23, 1983"--Title page verso.
Nota di bibliografia	Includes bibliographies.
Nota di contenuto	Contents -- Introduction -- Conference Participants -- Part I. Geometric-Analytic Methods -- Stability of Poisson-Hamilton equilibria -- Stability of rigid body motion using the energy-Casimir method -- Stability of planar multifluid plasma equilibria by Arnold's method -- Canonical derivation of the Vlasov-Coulomb noncanonical Poisson structure -- Reduction and Hamiltonian structures on duals of semidirect product Lie algebras -- Gauged Lie-Poisson structures -- The Hamiltonian structure of the BBGKY hierarchy equations -- Particle and bracket formulations of kinetic equations -- Noncanonical Hamiltonian field theory and reduced MHD -- Geometry and guiding center motion -- Lie-transform derivation of the gyrokinetic Hamiltonian system -- Poisson structures for relativistic systems -- Diffeomorphism groups, semidirect products and quantum theory -- Part II. Analytic and Numerical Methods -- Contour dynamics for two dimensional flows -- On the nonlinear stability of circular vortex patches -- Vortex methods for fluid flow in two or three dimensions -- Hamiltonian perturbation theory and water waves -- Results on

existence and uniqueness of solutions to the Vlasov equation --
Remarks on collisionless plasmas -- Toward a new kinetic theory for
resonant triads -- A spectral method for external viscous flows --
Forecasting the ocean's weather: numerical models for application to
oceanographic data -- Part III. Bifurcation and Dynamical Systems --
Geometry and dynamics in experiments on chaotic systems --
Dimension estimates for attractors -- Solitary waves as fixed points of
infinite-dimensional maps in an optical bistable ring cavity -- Hopf
bifurcation and the beam-plasma instability -- Some remarks on
chaotic particle paths in time-periodic, three-dimensional swirling
flows -- A universal transition from quasi-periodicity to chaos -- On
the nonpathological behavior of Newton's method -- Successive
bifurcations in the interaction of steady state and Hopf bifurcation --
Convection in a rotating fluid layer.
