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Soggetti	Dynamics Ergodic theory Global analysis (Mathematics) Manifolds (Mathematics) Algebraic geometry Mathematical physics Dynamical Systems and Ergodic Theory Global Analysis and Analysis on Manifolds Algebraic Geometry Theoretical, Mathematical and Computational Physics
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Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Integrable Hamiltonian systems on affine Poisson varieties: Affine Poisson varieties and their morphisms; Integrable Hamiltonian systems and their morphisms; Integrable Hamiltonian systems on other spaces -- Integrable Hamiltonian systems and symmetric products of curves: The systems and their integrability; The geometry of the level manifolds -- Interludium: the geometry of Abelian varieties: Divisors and line bundles; Abelian varieties; Jacobi varieties; Abelian surfaces of type (1,4) -- Algebraic completely integrable Hamiltonian systems: A.c.i. systems; Painlevé analysis for a.c. i. systems; The linearization of two-dimensional a.c.i. systems; Lax equations -- The Mumford systems: Genesis; Multi-Hamiltonian structure and symmetries; The odd and the even Mumford systems; The general case -- Two-dimensional a.c.i. systems and applications:

The genus two Mumford systems; Application: generalized  
Kummersurfaces; The Garnier potential; An integrable geodesic flow on  
 $SO(4)$ ;...

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