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Titolo	Geometric and Quantum Aspects of Integrable Systems [[electronic resource]] : Proceedings of the Eighth Scheveningen Conference Scheveningen, The Netherlands, August 16–21, 1992 / / edited by G.F. Helminck
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Collana	Lecture Notes in Physics, , 0075-8450 ; ; 424
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Soggetti	Statistical physics
	Dynamical systems
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Nota di contenuto	Isospectral flow and Liouville-Arnold integration in loop algebrast -- Geometry of the modified KdV equation -- Integrable hierarchies and quantum gravity -- A geometric construction of solutions of the Toda lattice hierarchy -- to random matrices -- The geometry of elastic waves propagating in an anisotropic elastic medium -- Mathematical addenda to hopper's model of plane stokes flow driven by capillarity on a free surface -- Quantization of integrable mappings -- Some aspects of the q-deformed oscillator algebras as quantum groups.
Sommario/riassunto	This is a collection of outstanding review papers on integrable systems. It gives the algebraic geometric aspects of the subject, describes integrability techniques e.g. for the modified KdV equation, integrability of Hamiltonian systems, hierarchies of equations,

probability distribution of eigenvalues, and modern aspects of quantum groups. It addresses researchers in mathematics and mathematical physics.