

1. Record Nr.	UNINA9910151936803321
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Titolo	Calogero-Moser systems and representation theory [[electronic resource]] / Pavel Etingof
Pubbl/distr/stampa	Zuerich, Switzerland, : European Mathematical Society Publishing House, 2007
ISBN	3-03719-534-7
Descrizione fisica	1 online resource (101 pages)
Collana	Zurich Lectures in Advanced Mathematics (ZLAM)
Classificazione	16-xx14-xx70-xx
Soggetti	Groups & group theory Analytic geometry Associative rings and algebras Algebraic geometry Mechanics of particles and systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Calogero-Moser systems, which were originally discovered by specialists in integrable systems are currently at the crossroads of many areas of mathematics and within the scope of interests of many mathematicians. More specifically, these systems and their generalizations turned out to have intrinsic connections with such fields as algebraic geometry (Hilbert schemes of surfaces), representation theory (double affine Hecke algebras, Lie groups, quantum groups), deformation theory (symplectic reflection algebras), homological algebra (Koszul algebras), Poisson geometry, etc. The goal of the present lecture notes is to give an introduction to the theory of Calogero-Moser systems, highlighting their interplay with these fields. Since these lectures are designed for non-experts, we give short introductions to each of the subjects involved, and provide a number of exercises. The book will be suitable for mathematics graduate students and researchers in the areas of representation theory, noncommutative algebra, algebraic geometry, and related areas.

