1. Record Nr. UNINA9910739411603321

Titolo	Quadratic and higher degree forms / / Krishnaswami Alladi ... [et al.], editors
Pubbl/distr/stampa	New York, : Springer, c2013
ISBN	1-4614-7488-4
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (ix, 298 pages)
Collana	Developments in mathematics, , 1389-2177 ; ; v. 31
Altri autori (Persone)	AlladiKrishnaswami
Disciplina	512.74
Soggetti	Forms, Quadratic Lattice theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Papers from three conferences on Quadratic forms in 2009 and 2010.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Preface -- Toy Models for D. H. Lehmer's Conjecture II (E. Bannai, T. Miezaki) -- On the Representation of an Integer by X2+Y2+Z2 and the Modular Equations of Degree 3 and 5 (A. Berkovich) -- Almost Universal Ternary Sums of Squares and Triangular Numbers (W. Chan, A. Haensch) -- Weighted Generating Functions for Type II Lattices and Codes (N. Elkies, S. Kominers) -- Quadratic and Automorphic Forms (J. Hanke) -- Integral Positive Ternary Quadratic Forms (W. Jagy) -- Some Aspects of the Algebraic Theory of Quadratic Forms (R. Parimala) -- On the Length of Binary Forms (B. Reznick) -- Representation of Quadratic Forms by Integral Quadratic Forms (R. Schulze-Pillot) -- Identifying the Matrix Ring (J. Voight).
Sommario/riassunto	In the last decade, the areas of quadratic and higher degree forms have witnessed dramatic advances. This volume is an outgrowth of three seminal conferences on these topics held in 2009, two at the University of Florida and one at the Arizona Winter School. The volume also includes papers from the two focused weeks on quadratic forms and integral lattices at the University of Florida in 2010.Topics discussed include the links between quadratic forms and automorphic forms, representation of integers and forms by quadratic forms, connections between quadratic forms and lattices, and algorithms for quaternion algebras and quadratic forms. The book will be of interest to graduate students and mathematicians wishing to study quadratic and higher degree forms, as well as to established researchers in these areas.

	Quadratic and Higher Degree Forms contains research and semi-expository papers that stem from the presentations at conferences at the University of Florida as well as survey lectures on quadratic forms based on the instructional workshop for graduate students held at the Arizona Winter School. The survey papers in the volume provide an excellent introduction to various aspects of the theory of quadratic forms starting from the basic concepts and provide a glimpse of some of the exciting questions currently being investigated. The research and expository papers present the latest advances on quadratic and higher degree forms and their connections with various branches of mathematics.

2. Record Nr. UNINA9911020466103321

Titolo	Advances in chemical physics . Volume 114 / / edited by I. Prigogine and Stuart A. Rice
Pubbl/distr/stampa	New York, : J. Wiley, 2000
ISBN	9786612681837 9781282681835 1282681834 9780470141731 0470141735 9780470142264 047014226X
Descrizione fisica	1 online resource (646 p.)
Collana	Advances in chemical physics ; ; 114
Altri autori (Persone)	PrigogineI (Ilya) RiceStuart Alan <1932-2024.>
Disciplina	539 541.305 541/.08
Soggetti	Chemistry, Physical and theoretical Molecular dynamics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.

Nota di contenuto	Advances in CHEMICAL PHYSICS; CONTENTS; THE DECOUPLING OF ELECTRONIC AND NUCLEAR MOTIONS IN THE ISOLATED MOLECULE SCHRODINGER HAMILTONIAN; ASSOCIATION, DISSOCIATION, AND THE ACCELERATION AND SUPPRESSION OF REACTIONS BY LASER PULSES; VIBRATIONAL ENERGY FLOW: A STATE SPACE APPROACH; DISCRETE-VARIABLE REPRESENTATIONS AND THEIR UTILIZATION; ABOVE AND BELOW THE WANNIER THRESHOLD; UNIFIED THEORY OF PHOTOCHEMICAL CHARGE SEPARATION; AUTHOR INDEX; SUBJECT INDEX
Sommario/riassunto	Providing the chemical physics field with a forum for critical, authoritative evaluations in every area of the discipline, the latest volume of Advances in Chemical Physics continues to provide significant, up-to-date chapters written by internationally recognized researchers.This volume is essentially devoted to helping the reader obtain general information about a wide variety of topics in chemical physics. Advances in Chemical Physics, Volume 114 includes chapters addressing vibrational energy flow, discrete variable representations and their utilization, the unified theory of photo