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   Autore   GINI, Corrado

   Titolo   Memorie di metodologia statistica / Corrado Gini

   Pubbl/distr/stampa   Milano : Giuffrè, 19.

   Descrizione fisica   v. ; 24 cm

   Disciplina   310

   Soggetti   Statistica -- Metodi

   Collocazione   IS III 76

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2. **Record Nr.**   UNINA9910300120803321

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   Collana   CRM Short Courses, , 2522-5200

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   Soggetti   Categories (Mathematics)
   Algebra, Homological
   Commutative algebra
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   Category Theory, Homological Algebra
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   Combinatorics

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Nota di contenuto	Introduction to the Representation Theory of Finite-Dimensional Algebras: The Functorial Approach (M. I. Platzeck) -- Auslander–Reiten Theory for Finite-Dimensional Algebras (P. Malicki).- Cluster Algebras From Surfaces (R. Schiffler) -- Cluster Characters (P.-G. Plamondon) -- A Course on Cluster Tilted Algebras (I. Assem) -- Brauer Graph Algebras (S. Schroll). .
Sommario/riassunto	This text presents six mini-courses, all devoted to interactions between representation theory of algebras, homological algebra, and the new ever-expanding theory of cluster algebras. The interplay between the topics discussed in this text will continue to grow and this collection of courses stands as a partial testimony to this new development. The courses are useful for any mathematician who would like to learn more about this rapidly developing field; the primary aim is to engage graduate students and young researchers. Prerequisites include knowledge of some noncommutative algebra or homological algebra. Homological algebra has always been considered as one of the main tools in the study of finite-dimensional algebras. The strong relationship with cluster algebras is more recent and has quickly established itself as one of the important highlights of today's mathematical landscape. This connection has been fruitful to both areas—representation theory provides a categorification of cluster algebras, while the study of cluster algebras provides representation theory with new objects of study. The six mini-courses comprising this text were delivered March 7–18, 2016 at a CIMPA (Centre International de Mathématiques Pures et Appliquées) research school held at the Universidad Nacional de Mar del Plata, Argentina. This research school was dedicated to the founder of the Argentinian research group in representation theory, M.I. Platzeck.