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Titolo Geometry, Structure and Randomness in Combinatorics / / edited by Jií Matousek, Jaroslav Nešetil, Marco Pellegrini

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Nota di bibliografia Includes bibliographical references.

Nota di contenuto Imre Bárány: Tensors, colours, octahedral -- Maria Chudnovsky: Cliques and stable sets in undirected graphs -- Mauro Di Nasso: A taste of nonstandard methods in combinatorics of numbers -- Béla Bollobás, Zoltán Füredi, Ida Kantor, G. O. H. Katona and Imre Leader: A coding problem for pairs of subsets -- Jirí Matousek: String graphs and separators -- Jaroslav Nesetril and Patrice Ossona de Mendez: On first-order definable colorings -- Ryan Schwartz and József Solymosi: Combinatorial applications of the subspace theorem -- Peter Hegarty and Dmitry Zhelezov: Can connected commuting graphs of finite groups have arbitrarily large diameter?

Sommario/riassunto This book collects some surveys on current trends in discrete mathematics and discrete geometry. The areas covered include: graph representations, structural graphs theory, extremal graph theory, Ramsey theory and constrained satisfaction problems.