

1. Record Nr.	UNINA9910828819103321
Autore	Raghavarao Damaraju
Titolo	Block designs : analysis, combinatorics, and applications // Damaraju Raghavarao, Lakshmi V. Padgett
Pubbl/distr/stampa	New Jersey, : World Scientific, 2005
ISBN	1-281-88125-2 9786611881252 981-270-109-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (224 p.)
Collana	Series on applied mathematics ; ; v. 17
Altri autori (Persone)	PadgettLakshmi V
Disciplina	519.5/7
Soggetti	Block designs Experimental design
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	Contents; Preface; 1. Linear Estimation and Tests for Linear Hypotheses; 2. General Analysis of Block Designs; 3. Randomized Block Designs; 4. Balanced Incomplete Block Designs- Analysis and Combinatorics; 5. Balanced Incomplete Block Designs- Applications; 6. t-Designs; 7. Linked Block Designs; 8. Partially Balanced Incomplete Block Designs; 9. Lattice Designs; 10. Miscellaneous Designs; References and Selected Bibliography; Author Index; Subject Index
Sommario/riassunto	Combinatorial mathematicians and statisticians have made a wide range of contributions to the development of block designs, and this book brings together much of that work. The designs developed for a specific problem are used in a variety of different settings. Applications include controlled sampling, randomized response, validation and valuation studies, intercropping experiments, brand cross-effect designs, lotto and tournaments. The intra- and inter- block, nonparametric and covariance analysis are discussed for general block designs, and the concepts of connectedness, orthogonality, and