

1. Record Nr.	UNISALENTO991002205789707536
Titolo	Stochastic analysis [e-book] : proceedings of the Japanese-French seminar held in Paris, France, June 16–19, 1987 / edited by Michel Métivier, Shinzo Watanabe
Pubbl/distr/stampa	Berlin : Springer, 1988
ISBN	9783540392323
Descrizione fisica	1 online resource (x, 202 p.)
Collana	Lecture Notes in Mathematics, 0075-8434 ; 1322
Classificazione	AMS 60F AMS 60G AMS 60H AMS 60J
Altri autori (Persone)	Métivier, Michel Watanabe, Shinzo
Disciplina	519.2
Soggetti	Mathematics Global analysis (Mathematics) Distribution (Probability theory) Mathematical physics
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910787074503321
Titolo	Uniform distribution and Quasi-Monte Carlo methods : discrepancy, integration and applications / / edited by Peter Kritzer [and three others]
Pubbl/distr/stampa	Berlin, [Germany] ; ; Boston, [Massachusetts] : , : De Gruyter, , 2014 ©2014
ISBN	3-11-037503-6 3-11-031793-1
Descrizione fisica	1 online resource (270 p.)
Collana	Radon Series on Computational and Applied Mathematics, , 1865-3707 ; ; Volume 15
Classificazione	SK 180
Disciplina	515.782
Soggetti	Uniform distribution (Probability theory) Monte Carlo method
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Front matter -- Preface -- Contents -- Metric number theory, lacunary series and systems of dilated functions / Aistleitner, Christoph -- Strong uniformity / Beck, József -- Discrepancy theory and harmonic analysis / Bilyk, Dmitriy -- Explicit constructions of point sets and sequences with low discrepancy / Dick, Josef / Pillichshammer, Friedrich -- Subsequences of automatic sequences and uniform distribution / Drmota, Michael -- On Atanassov's methods for discrepancy bounds of low-discrepancy sequences / Faure, Henri -- The hybrid spectral test: a unifying concept / Hellekalek, Peter -- Tractability of multivariate analytic problems / Kritzer, Peter / Pillichshammer, Friedrich / Woniakowski, Henryk -- Discrepancy estimates for sequences: new results and open problems / Larcher, Gerhard -- A short introduction to quasi-Monte Carlo option pricing / Leobacher, Gunther -- The construction of good lattice rules and polynomial lattice rules / Nuyens, Dirk -- Index -- Backmatter
Sommario/riassunto	This book is summarizing the results of the workshop "Uniform Distribution and Quasi-Monte Carlo Methods" of the RICAM Special Semester on "Applications of Algebra and Number Theory" in October 2013. The survey articles in this book focus on number theoretic point

constructions, uniform distribution theory, and quasi-Monte Carlo methods. As deterministic versions of the Monte Carlo method, quasi-Monte Carlo rules enjoy increasing popularity, with many fruitful applications in mathematical practice, as for example in finance, computer graphics, and biology. The goal of this book is to give an overview of recent developments in uniform distribution theory, quasi-Monte Carlo methods, and their applications, presented by leading experts in these vivid fields of research.

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