



Boolean models and methods in mathematics, computer science, and engineering [

Crama, Yves (1958-)

Hammer, P. L. (1936-2006.)

Cambridge University Press,
2010

Electronic books

Monografía

"This collection of papers presents a series of in-depth examinations of a variety of advanced topics related to Boolean functions and expressions. The chapters are written by some of the most prominent experts in their respective fields and cover topics ranging from algebra and propositional logic to learning theory, cryptography, computational complexity, electrical engineering, and reliability theory. Beyond the diversity of the questions raised and investigated in different chapters, a remarkable feature of the collection is the common thread created by the fundamental language, concepts, models, and tools provided by Boolean theory. Many readers will be surprised to discover the countless links between seemingly remote topics discussed in various chapters of the book. This text will help them draw on such connections to further their understanding of their own scientific discipline and to explore new avenues for research"--Provided by publisher

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjgxODExOTg>

Título: Boolean models and methods in mathematics, computer science, and engineering electronic resource]
edited by Yves Crama, Peter L. Hammer

Editorial: Cambridge New York Cambridge University Press 2010

Descripción física: 1 online resource (782 p.)

Mención de serie: Encyclopedia of mathematics and its applications 134

Nota general: Description based upon print version of record

Bibliografía: Includes bibliographical references

Contenido: Algebraic structures. Compositions and clones of Boolean functions Reinhard Pöschel and Ivo Rosenberg. -- Decomposition of Boolean functions Jan C. Bioch. -- Logic. Proof theory Alasdair Urquhart. -- Probabilistic analysis of satisfiability algorithms John Franco. -- Optimization methods in logic John Hooker. -- Learning theory and cryptography. Probabilistic learning and Boolean functions Martin Anthony. -- Learning

Boolean functions with queries Robert H. Sloan, Balázs Szörényi, and György Turán. -- Boolean functions for cryptography and error-correcting codes Claude Carlet. -- Vectorial Boolean functions for cryptography Claude Carlet. -- Graph representations and efficient computation models. Binary decision diagrams Beate Bollig ... [et al.]. -- Circuit complexity Matthias Krause and Ingo Wegener. -- Fourier transforms and threshold circuit complexity Jehoshua Bruck. -- Neural networks and Boolean functions Martin Anthony. -- Decision lists and related classes of Boolean functions Martin Anthony. -- Applications in engineering. Hardware equivalence and property verification J.-H. Roland Jiang and Tiziano Villa. -- Synthesis of multi-level Boolean networks Tiziano Villa ... [et al.]. -- Boolean aspects of network reliability Charles J. Colbourn

Lengua: English

ISBN: 1-139-88703-3 1-107-26663-7 1-107-26694-7 1-107-26447-2 1-107-27002-2 1-107-26338-7 0-511-78044-3 1-107-26801-X

Materia: Algebra, Boolean Probabilities

Autores: Crama, Yves (1958-) Hammer, P. L. (1936-2006.)

Enlace a formato físico adicional: 0-521-84752-4 1-299-70764-5

Punto acceso adicional serie-Título: Encyclopedia of mathematics and its applications v. 134

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es