1. Record Nr. UNIBAS000013676

Autore	Schnorr, Claus Peter
Titolo	Zufalligkeit und Wahrscheinlichkeit : eine algorithmische Begrundung der Wahrscheinlichkeitstheorie / Claus Peter Schnorr
Pubbl/distr/stampa	Berlin [etc.] : Springer, c1971
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Collana	Lecture notes in mathematics ; 218
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Soggetti	Probabilità Algoritmi
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia

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Autore	He Peter
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Soggetti	Computer networks Electrical engineering Computer Communication Networks Communications Engineering, Networks
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Geometric Water-Filling in RRM -- RRM in MIMO System -- RRM for Cognitive Network -- RRM in Wireless Communications with Energy Harvest Technology.
Sommario/riassunto	This brief introduces the fundamental theory and development of managing radio resources using a water-filling algorithm that can optimize system performance in wireless communication. Geometric Water-Filling (GWF) is a crucial underlying tool in emerging communication systems such as multiple input multiple output systems, cognitive radio systems, and green communication systems. Early chapters introduce emerging wireless technologies and provide a detailed analysis of water-filling. The brief investigates single user and multi-user issues of radio resource management, allocation of resources, and energy harvesting. Effective algorithms demonstrate the incredible potential capabilities of water-filling mechanisms. This brief is designed for researchers and professionals working with resource management and wireless communications. Advanced-level students in computer science and engineering will also find the information

valuable.