Formation Methods, Models, and Hardware Implementation of Pseudorandom Number Generators: Emerging Research and Opportunities

Part of the Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series

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Description:
Modern computing systems preserve all information in intricate binary codes. The evolution of systems and technologies that aid in this preservation process must be continually assessed to ensure that they are keeping up with the demands of society.

Formation Methods, Models, and Hardware Implementation of Pseudorandom Number Generators: Emerging Research and Opportunities is a crucial scholarly resource that examines the current methodologies used in number generator construction, and how they pertain to the overall advancement of contemporary computer systems. Featuring coverage on relevant topics such as cellular automata theory, inhomogeneous cells, and sequence generators, this publication is ideal for software engineers, computer programmers, academicians, students, and researchers that are interested in staying abreast of innovative trends within the computer engineering field.


Topics Covered:
- Asynchronous Cellular Automata
- Cellular Automata Theory
- ENT Quality Analyzing Tests
- Graphical Tests
- Hexagonal Coverage
- Inhomogeneous Cells
- NIST Quality Analyzing Tests
- Sequence Generators

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