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Soggetti	Telecommunication Data structures (Computer science) Information theory Algebra Statistics Communications Engineering, Networks Data Structures and Information Theory Order, Lattices, Ordered Algebraic Structures Statistics in Engineering, Physics, Computer Science, Chemistry and Earth Sciences
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Hyper Lattice -- Applications of Hyper-Lattice in Real Life -- Generating Co-Operative Queries over Concept Hierarchies -- Conclusions.
Sommario/riassunto	This book presents Hyper-lattice, a new algebraic model for partially ordered sets, and an alternative to lattice. The authors analyze some of the shortcomings of conventional lattice structure and propose a novel algebraic structure in the form of Hyper-lattice to overcome problems with lattice. They establish how Hyper-lattice supports dynamic insertion of elements in a partial order set with a partial hierarchy between the set members. The authors present the characteristics and the different properties, showing how propositions and lemmas formalize Hyper-lattice as a new algebraic structure.

