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Descrizione fisica	1 online resource (230 p.)
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Soggetti	Boundary value problems - Numerical solutions
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front matter -- Contents -- 1. Introduction -- 2. Ordered vector spaces and vector lattices -- 3. Finite, totally finite and self majorizing elements in Archimedean vector lattices -- 4. Finite elements in vector lattices of linear operators -- 5. The space of maximal ideals of a vector lattice -- 6. Topological characterization of finite elements -- 7. Representations of vector lattices and their properties -- 8. Vector lattices of continuous functions with finite elements -- 9. Representations of vector lattices by means of continuous functions -- 10. Representations of vector lattices by means of bases of finite elements -- List of Examples -- List of Symbols -- Bibliography -- Index
Sommario/riassunto	The book is the first systematical treatment of the theory of finite elements in Archimedean vector lattices and contains the results known on this topic up to the year 2013. It joins all important contributions achieved by a series of mathematicians that can only be found in scattered in literature.