Martin R. Weber

FINITE ELEMENTS IN VECTOR LATTICES

Finite elements in Archimedean vector lattices are introduced as abstract models of finite functions, i.e. continuous functions with compact support on some topological space.
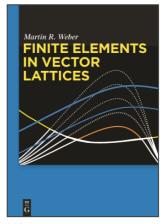
This book is the first systematical treatment of the theory of finite elements, contains the results known up to the year 2013 and joins all important contributions achieved by a series of mathematicians that can only be found scattered in the literature.

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