

1. Record Nr.	UNINA9910788749403321
Autore	Goodearl K. R.
Titolo	The complete dimension theory of partially ordered systems with equivalence and orthogonality // K.R. Goodearl, F. Wehrung
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [2005] ©2005
ISBN	1-4704-0432-X
Descrizione fisica	1 online resource (134 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; number 831
Disciplina	510 s 511.3/3
Soggetti	Lattice theory Boolean rings Partial algebras Modules (Algebra)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Volume 176, number 831 (third of 5 numbers)."
Nota di bibliografia	Includes bibliographical references (pages 111-113) and index.
Nota di contenuto	""Contents""; ""Chapter 1. Introduction""; ""1-1. Background""; ""1-2. Results and methods""; ""1-3. Notation and terminology""; ""Chapter 2. Partial commutative monoids""; ""2-1. Basic results about partial commutative monoids""; ""2-2. Direct decompositions of partial refinement monoids""; ""2-3. Projections of partial refinement monoids""; ""2-4. General comparability""; ""2-5. Boolean-valued partial refinement monoids""; ""2-6. Least and largest difference functions""; ""Chapter 3. Continuous dimension scales""; ""3-1. Basic properties of the monoids $Z[\text{sub}(I^3)]$, $R[\text{sub}(I^3)]$, and $2[\text{sub}(I^3)]$ ""; ""3-2. Dedekind complete lattice-ordered groups""; ""3-3. Continuous functions on extremely disconnected topological spaces""; ""3-4. Completeness of the Boolean algebra of projections""; ""3-5. The elements $(p \mid I^\pm)$ ""; ""3-6. The dimension function $I?$ ""; ""3-7. Projections on the directly finite elements""; ""3-8. Embedding arbitrary continuous dimension scales""; ""3-9. Uniqueness of the canonical embedding""; ""3-10. Continuous dimension scales which are proper classes""; ""Chapter 4. Espaliers"";

""4-1. The axioms""
""4-2. Purely infinite elements trim sequences""; ""4-3. Axiom (M6)"";
""4-4. D-universal classes of espaliers""; ""4-5. Existence of large
constants""; ""Chapter 5. Classes of espaliers""; ""5-1. Abstract measure
theory; Boolean espaliers""; ""5-2. Conditionally complete, meet-
continuous, relatively complemented, modular lattices""; ""5-3. Self-
injective regular rings and nonsingular injective modules""; ""5-4.
Projection lattices of W^* - and AW^* -algebras""; ""5-5. Concluding
remarks""; ""Bibliography""; ""Index""; ""A""; ""B""; ""C""; ""D""; ""E""; ""F"";
""G""; ""H""; ""I""; ""J""; ""K""
""L""""M""; ""N""; ""O""; ""P""; ""R""; ""S""; ""T""; ""U""; ""V""; ""W""; ""X"";
""Z""
