

semimodular lattices theory and pdf

In Semimodular Lattices, Manfred Stern uses successive generalizations of distributive and modular lattices to outline the development of semimodular lattices from Boolean algebras. He focuses on the important theory of semimodularity, its many ramifications, and its applications in discrete mathematics, combinatorics, and algebra.

Semimodular Lattices: Theory and Applications - Home

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Semimodular Lattices: Theory and Applications â€” Books Pics

Extending former results by G. GrÃ¶tzer and E. W. Kiss (1986) and M. Wild (1993) on finite (upper) semimodular lattices, we prove that each semimodular lattice L of finite length has a cover-preserving embedding into a geometric lattice G of the same length.

CiteSeerX â€” Citation Query Semimodular Lattices, Theory

NOTES ON PLANAR SEMIMODULAR LATTICES. I. CONSTRUCTION 3 We call a planar lattice slim, if it has no 1-step slimming; equivalently, every covering square is an interval.

NOTES ON PLANAR SEMIMODULAR LATTICES. I. CONSTRUCTION - arXiv

semimodular lattices, and in particular to modular lattices, because of the potential application of these mathematical structures to the logic of theoretical physics.

Selectors: A Theory of Formal Languages, Semimodular

For semimodular supersolvable lattices, there is a fixed partition of the atoms into subsets and the NBC bases are constructed by picking at most one atom from each subset.

A Generalization of Semimodular Supersolvable Lattices

42 2 Matroids and Semimodular Lattices 2.4 Geometric lattices A geometric lattice is a semimodular lattice of finite height in which every element is a join of atoms. Figure 2.3 shows a semimodular lattice which is not geometric,

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PDF | A lattice L is slim if it is finite and the set of its join-irreducible elements contains no three-element antichain. Slim, semimodular lattices were previously characterized by G. Cz'edli ...

(PDF) On the number of slim, semimodular lattices

308 V. Modular and Semimodular Lattices Remark. In Section II.1.1, we have already proved the equivalence of (i) and (iii). The importance, or convenience, of the shearing identity (which was

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