Dugas, Manfred; Herden, Daniel; Rebrovich, Jack

Indecomposable ideals of finitary incidence algebras. (English) Zbl 1436.16033

Summary: R. D. Sorkin showed in “Indecomposable ideals in incidence algebras”, Mod. Phys. Lett. A 18, 2491–2499 (2003) how to recover a finite poset \((P, \leq)\) by algebraic means from its incidence algebra \(I(P)\). We generalize this result to finitary incidence algebras \(FI(P)\) and arbitrary posets \((P, \leq)\).

MSC:
16S50 Endomorphism rings; matrix rings
16S60 Associative rings of functions, subdirect products, sheaves of rings
06A11 Algebraic aspects of posets

Keywords:
ideals; incidence algebras

Full Text: DOI

References:

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