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BIPARTITE PSEUDO *MV*-ALGEBRAS

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Abstract

A bipartite pseudo *MV*-algebra A is a pseudo *MV*-algebra such that $A = M \cup M^{\sim}$ for some proper ideal M of A. This class of pseudo *MV*-algebras, denoted **BP**, is investigated. The class of pseudo *MV*-algebras A such that $A = M \cup M^{\sim}$ for all maximal ideals M of A, denoted $\mathbf{BP}_0$, is also studied and characterized.

Keywords: pseudo *MV*-algebra, (maximal) ideal, bipartite pseudo *MV*-algebra.

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