

REMARKS ON PSEUDO MV-ALGEBRAS

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Abstract

Pseudo MV-algebras (see e.g., [4, 6, 8]) are non-commutative extension of MV-algebras. We show that every pseudo MV-algebra is isomorphic to the algebra of action functions where the binary operation is function composition, zero is $x \wedge y$ and unit is x . Then we define the so-called difference functions in pseudo MV-algebras and show how a pseudo MV-algebra can be reconstructed by them.

Keywords: pseudo MV-algebra, action function, guard function, difference functions.

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