

BOOLEAN FILTERS IN PSEUDO-COMPLEMENTED ALMOST DISTRIBUTIVE LATTICES

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Abstract

In this paper we have introduced the concept of Boolean filters in a pseudo-complemented Almost Distributive Lattice (pseudo-complemented ADL) and studied their properties. Finally, a Boolean filter is characterized in terms of filter congruences.

Keywords: Almost Distributive Lattice (ADL), pseudo-complemented ADL, Boolean filter, maximal filter, congruence, Boolean algebra.

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