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δ -Ideals in pseudo-complemented distributive join-semilattices

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Abstract

The concept of a δ -ideal is introduced in a pseudo-complemented distributive join semilattice with 0 and some properties of these ideals are obtained. We also give a characterization for a pseudo-complemented distributive join-semilattice to be a Stone join-semilattice. Also, in a distributive join-semilattice a characterization for an ideal to be a δ -ideal is proved.

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Keywords: Ideal ▪ filter ▪ minimal prime ideal ▪ congruence ▪ δ -ideal ▪ Boolean join semi-lattice**AMSC:** 06B10

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