عنوان مقاله:

Generalized stone residuated lattices

نویسنده:

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خلاصه مقاله:

This paper introduces and investigates the notion of a generalized Stone residuated lattice. It is observed that a residuated lattice is generalized Stone if and only if it is quasicomplemented and normal. Also, it is proved that a finite residuated lattice is generalized Stone if and only if it is normal. A characterization for generalized Stone residuated lattices is given by means of the new notion of \alpha-filters. Finally, it is shown that each non-unit element of a directly indecomposable generalized Stone residuated lattice is a dense element.

کلمات کلیدی:

residuated lattice, normal residuated lattice, quasicomplemented residuated lattice, generalized Stone residuated lattice

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