

عنوان مقاله:

FUZZY MEDIAL FILTERS OF PSEUDO BE-ALGEBRAS

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خلاصه مقاله:

In this paper, the notion of fuzzy medial filters of a pseudo BE-algebra is defined, and some of the properties are investigated. We show that the set of all fuzzy medial filters of a pseudo BE-algebra is a complete lattice. Moreover, we state that in commutative pseudo BE-algebras fuzzy filters and fuzzy medial filters coincide. Finally, the notion of a fuzzy implicative filter is introduced and proved that every fuzzy implicative filter is a fuzzy medial filter, and we show that the converse is not valid in general.

کلمات کلیدی:

commutative) (pseudo) BE-algebra, (fuzzy) medial filter, (fuzzy) implicative filter)

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