

RELATION BETWEEN (FUZZY) GÖDEL IDEALS AND (FUZZY) BOOLEAN IDEALS IN BL-ALGEBRAS

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Abstract

In this paper, we study relationships between among (fuzzy) Boolean ideals, (fuzzy) Gödel ideals, (fuzzy) implicative filters and (fuzzy) Boolean filters in *BL*-algebras. In [9], there is an example which shows that a Gödel ideal may not be a Boolean ideal, we show this example is not true and in the following we prove that the notions of (fuzzy) Gödel ideals and (fuzzy) Boolean ideals in *BL*-algebras coincide.

Keywords: *BL*-algebra, (fuzzy) filter, (fuzzy) Boolean ideal, (fuzzy) Gödel ideal.

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