

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

AKBAR PAAD

Department of Mathematics
University of Bojnord, Bojnord, Iran

e-mail: akbar.paad@gmail.com

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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