

## COMPLICATED BE-ALGEBRAS AND CHARACTERIZATIONS OF IDEALS

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### Abstract

In this paper, using the notion of upper sets, we introduced the notions of complicated BE-Algebras and gave some related properties on complicated, self-distributive and commutative BE-algebras. In a self-distributive and complicated BE-algebra, characterizations of ideals are obtained.

**Keywords:** BE-algebras, complicated BE-algebras, ideals in BE-algebras.

**2010 Mathematics Subject Classification:** 03G25, 06F35.

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Received 11 November 2014

Revised 10 January 2015