

## INTUITIONISTIC $(S, T)$ -FUZZY BCC-IDEALS OF BCC-ALGEBRAS

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### Abstract

Using a  $t$ -norm  $T$  and a  $t$ -conorm  $S$ , the notion of intuitionistic  $(S, T)$ -fuzzy BCC-ideals of BCC-algebras is introduced, and some of their properties are investigated. Connections between different types of intuitionistic fuzzy BCC-ideals induced by  $t$ -norms and  $t$ -conorms are described.

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Key Words and Phrases : *BCC- algebra, t-norm (t-conorm), Intuitionistic (S,T)-fuzzy BCC-ideal.*

2000 AMS Subject Classification : 06F35, 03G25, 94D05, 03F55.

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