

## Abstract

The concept of Bipolar Fuzzy Fantastic Ideals and Doubt Fuzzy Fantastic Ideals in BN-algebra are introduced and related properties are investigated. Characterizations of Bi-polar Fuzzy Fantastic Ideals and Doubt Fuzzy Fantastic Ideals are considered. This thesis is the review of Novel Concept of Doubt Bipolar Fuzzy Fantastic ideals and its implications in BN-algebra. This review thesis focuses on combining the concepts of Doubt Fuzzy Fantastic Ideals and Bipolar Fuzzy Fantastic Ideals to the define notion of Doubt Bipolar Fuzzy Fantastic Ideals in BN-algebra and investigate related properties.