Abstract

The purpose of this thesis is to initiated the concepts of fuzzy fantastic ideal, (α, β)-fuzzy fantastic ideals and $(\overline{\alpha}, \overline{\beta})$-fuzzy fantastic ideals in BN-algebras, where α, β are any of $\{\in, q_k, \in \vee q_k, \in \wedge q_k\}$ with $\alpha \neq \in \wedge q_k$ and investigate some of their related properties.