

Soft BCI-positive implicative ideals of soft BCI-algebras

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Abstract

The notion of soft BCI-positive implicative ideals and BCI-positive implicative idealistic soft BCI-algebras is introduced and their basic properties are discussed. Relations between soft ideals and soft BCI-positive implicative ideals of soft BCI-algebras are provided. Also idealistic soft BCI-algebras and BCI-positive implicative idealistic soft BCI-algebras are being related. The intersection, union, “AND” operation and “OR” operation of soft BCI-positive implicative ideals and BCI-positive implicative idealistic soft BCI-algebras are established. The characterizations of (fuzzy) BCI-positive implicative ideals in BCI-algebras are given by using the concept of soft sets. Relations between fuzzy BCI-positive implicative ideals and BCI-positive implicative idealistic soft BCI-algebras are discussed.