

## Fuzzy Implicative Pseudo-Ideals of Pseudo-BCK Algebras

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**Abstract :** In this paper, we consider the fuzzification of implicative pseudo-ideal in a pseudo-BCK algebra, and then we investigate some of their properties. We prove that the family of fuzzy implicative pseudo-ideal is completely distributive lattice.

**Keywords :** BCK-algebra, pseudo-BCK algebra, pseudo-ideal, implicative pseudo-ideal

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