Abstract

In this paper, we introduce the notion of anti-fuzzy KUS-ideals in KUS-algebra, several appropriate examples are provided and their some properties are investigated. The image and the inverse image of anti-fuzzy KUS-ideals in KUS-algebra are defined and how the image and the inverse image of anti-fuzzy KUS-ideals in KUS-algebra become anti-fuzzy KUS-ideals are studied. Moreover, the cartesian product of anti-fuzzy KUS-ideals are given.

References

- Kumbhojkar H. V. and Bapat M. S., Not-so-fuzzy fuzzy ideals, fuzzy sets and systems,

**Index Terms**

Computer Science

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**Keywords**

KUS-ideals  fuzzy KUS-ideals  anti-fuzzy KUS-ideals  image and pre-image of anti-fuzzy KUS-ideals