FUZZY ALMOST $s^*$-COMPACT SPACE

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Abstract. In this paper, we introduce and study fuzzy almost $s$-continuous and fuzzy almost $s^*$-continuous functions in fuzzy topological space. Afterwards, it is shown that any fuzzy almost $s^*$-continuous function is fuzzy almost $s$-continuous and the converse is true in fuzzy $s^*$-regular space. It is shown also that a fuzzy almost $s^*$-compact space is fuzzy almost compact [4] and the converse is true only in fuzzy $s^*$-regular space. Lastly, it is proved that fuzzy almost $s^*$-compactness remains invariant under fuzzy almost $s^*$-continuous functions.

REFERENCES


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