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## SOME PROPERTIES OF IMPLICATION OPERATOR ON INTUITIONISTIC FUZZY SETS AND INTUITIONISTIC FUZZY MATRICES

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### Abstract

In this paper, we study boundaries, regularities, isotone and antitonal properties of implication operator for intuitionistic fuzzy set and extend it to intuitionistic fuzzy matrix. Further, we check distributive properties of the implication operator over  $\vee$  and  $\wedge$ .

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Key Words and Phrases : *Intuitionistic fuzzy matrix (IFM), Intuitionistic fuzzy set (IFS), Intuitionistic fuzzy implication operator (IFIO).*

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