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## TEMPORAL INTUITIONISTIC FUZZY IMPLICATIONS

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### ABSTRACT

The aim of this study is to define the concepts of temporal intuitionistic fuzzy implication and coimplication in the temporal intuitionistic fuzzy sets and to examine the relationship between these concepts and other concepts such as temporal intuitionistic fuzzy negator. These concepts fulfill the if-then constructs to be used in temporal intuitionistic fuzzy systems. Also it is aimed that these concepts coincide with "modus ponens" properties in classical logic and some other features of fuzzy logic.

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