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## INTUITIONISTIC FUZZY UNIVERSAL ALGEBRAS WITH TRIANGULAR NORMS

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### ABSTRACT

The new concept of an intuitionistic fuzzy universal algebra is introduced using t-norms and t-conorms. Some basic properties are proved. Intuitionistic fuzzy congruence relations with respect to t-norms and t-conorms on  $(T, S)$ –intuitionistic fuzzy universal algebra are examined.

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