

# **NEW RANKING OF TRAPEZOIDAL INTUITIONISTIC FUZZY NUMBERS BASED ON THE SCORE FUNCTION**

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## **ABSTRACT**

In this paper, a new method for ranking trapezoidal intuitionistic fuzzy numbers is proposed. The proposed method considers the areas on the positive side, the areas on the negative side of membership function and nonmembership function of trapezoidal intuitionistic fuzzy numbers to evaluate ranking scores of the trapezoidal intuitionistic fuzzy numbers.

**KEYWORDS:** Fuzzy Number, Intuitionistic Fuzzy Number, Trapezoidal Fuzzy Number, Trapezoidal Intuitionistic Fuzzy Number