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A note to the addition of fuzzy numbers based on a continuous Archimedean t-norm. (English) [Zbl 0919.04010](#)

Fuzzy Sets Syst. 91, No. 2, 253-258 (1997).

Summary: A simple method of computing the T -sum of special types of fuzzy numbers is introduced. For the Łukasiewicz t-norm T_L the proposed method can be applied to the addition of fuzzy numbers with convex membership functions. The classes of fuzzy numbers leading to \oplus_T -idempotents are studied for continuous t-norms.

MSC:

03E72 Theory of fuzzy sets, etc.

Cited in **1** Review
Cited in **16** Documents

Keywords:

fuzzy arithmetic; triangular norms; T -sum; fuzzy numbers; addition; t-norms

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References:

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