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*T*-sums of L-R fuzzy numbers. (English) Zbl 0904.04007  
Fuzzy Sets Syst. 85, No. 3, 379-384 (1997).

Summary: The sum of L-R fuzzy numbers based on a given Archimedean continuous  $t$ -norm  $T$  is studied. A series of sufficient conditions improving those of several authors and ensuring an analytical form of the output sum is completed by a sufficient and necessary condition, i.e., the best sufficient condition. Some applications are indicated.

**MSC:**

03E72 Theory of fuzzy sets, etc.

Cited in **2** Reviews  
Cited in **26** Documents

**Keywords:**

Archimedean  $t$ -norm; extension principle; triangular norms;  $T$ -sum; L-R fuzzy numbers

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