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Finite dimensional fuzzy normed linear spaces. (English) Zbl 1045.46048
J. Fuzzy Math. 11, No. 3, 687-705 (2003).

Summary: Following the concept of fuzzy norm introduced by *S. C. Cheng* and *J. N. Mordeson* [*Bull. Calcutta Math. Soc.* 86, 429-436 (1994; [Zbl 0829.47063](#))], a definition of fuzzy norm is given on a linear space. A decomposition theorem for the fuzzy norm is established, and the properties of finite-dimensional fuzzy normed linear spaces are studied.

MSC:

46S40 Fuzzy functional analysis

Cited in **12** Reviews
Cited in **116** Documents

Keywords:

fuzzy norm; decomposition theorem; finite-dimensional fuzzy normed spaces