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On Egoroff's theorems on fuzzy measure spaces. (English) Zbl 1014.28015
Fuzzy Sets Syst. 135, No. 3, 367-375 (2003).

Summary: In this paper, we show that Egoroff's theorem, which is well known in classical measure theory, remains valid for a fuzzy measure without any additional condition. Previous results obtained by Z. Wang and others are improved. Egoroff's theorem on fuzzy measure spaces is formulated in full generality. Taylor's theorem which concerns convergence almost everywhere in classical measure theory is also extended to fuzzy measure spaces.

MSC:

28E10 Fuzzy measure theory

Cited in **16** Documents

Keywords:

non-additive measures; fuzzy measure; Egoroff's theorem

Full Text: [DOI](#)

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