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Contra G_δ -continuity in smooth fuzzy topological spaces. (English) Zbl 1212.54023

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Summary: The concept of fuzzy contra G_δ -continuity in the sense of *A. P. Šostak* [Rend. Circ. Mat. Palermo, II. Ser. Suppl. 11, 89–103 (1985; Zbl 0638.54007)] is introduced. Some interesting properties and characterizations are investigated. Also, some applications to fuzzy compact spaces are established.

MSC:

54A40 Fuzzy topology

03E72 Theory of fuzzy sets, etc.

Keywords:

fuzzy contra G_δ -continuity; fuzzy strong G_δ -continuity; fuzzy perfect G_δ -continuity

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