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On some advanced type inequalities for Sugeno integral and T-(S-)evaluators. (English)

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Summary: Strengthened versions of the Minkowski, Chebyshev, Jensen and Hölder inequalities for Sugeno integral and T-(S-)evaluators are given. As an application, some equivalent forms and some particular results have been established.

MSC:

28E10 Fuzzy measure theory

Keywords:

nonadditive measure; Sugeno integral; comonotone functions; Chebyshev’s inequality; Minkowski’s inequality

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References:


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