

NEW GENERALIZED MEASURES OF FUZZY DIVERGENCE

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ABSTRACT

In the literature of information theory, there exist many probabilistic as well as non-probabilistic measures of directed divergence, each with its own applications, merits and limitations. Keeping in view the importance and application areas of different measures of divergence to various disciplines of engineering sciences, some new fuzzy measures of directed divergence have been introduced and their detailed properties are studied.

KEYWORDS: Fuzzy set, Fuzzy directed divergence, Convexity, Symmetry