

A Study of the Stability for D-Fuzzy Implication

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Abstract

Recently, many works about Fuzzy implications over triangular norms and triangular co-norms have been published in the literature. In fuzzy logic we have four kinds of fuzzy implication which called (S, N) -implications, R -implications, QL -implications, and D -implication. Recently, there is only two researchers studied the Hyers-Ulam stability for (S, N) - implication and QL –implication of two functional equations. In this thesis, it is interested to

study the third kind fuzzy D -implication of Hyers-Ulam stability of FEs with fuzzy implications.

Keywords: Fuzzy implication, D –implication, Stability.

