Mutual Subset Hood of the Fuzzy Set

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ABSTRACT

A generic conclusion in l^p meaning is presented. This conclusion shows that the improved reason of mutual subset hood theorem is not sufficient by Wang and Don, and it is impossible to exist a mutual subsethood arithmetics which makes the monotonous decrease with l^p distance at arbitrary $p \geq 1$ as well. It also presents the calculating formula of mutual subsethood at general l^p distance.

Keywords: fuzzy set, mutual subset hood, l^p -distance.