

عنوان مقاله:

A new definition of fuzzy k-pseudo metric and its induced fuzzifying structures

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خلاصه مقاله:

In this paper, a new definition of a fuzzy k-pseudo metric is introduced and its induced fuzzifying structures are constructed, such as a fuzzifying neighborhood system, a fuzzifying topology, a fuzzifying closure operator, a fuzzifying uniformity. Besides, it is shown that there is a one-to-one correspondence between fuzzy k-pseudo metrics and nests of crisp k-pseudo metrics.

کلمات کلیدی:

Nest of k-pseudo metric, fuzzy k-pseudo metric, fuzzifying topology, fuzzifying uniformity

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