研究、探讨

一种新的直觉模糊集的熵

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摘要   通过分析现有直觉模糊熵计算方法中存在的一些问题，基于直觉模糊集理论和熵的概念，提出一种新的直觉模糊集的熵，给出它的结构、性质，并将其与现有的几种直觉模糊集的熵进行比较，发现其计算结果介于其他几种方法的计算结果之间，因而能够对模糊问题的模糊性做出更好的界定，有助于人们对模糊问题的理解和把握。最后，通过实例验证了它的有效性。

关键词   直觉模糊集   熵   模糊性

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New entropy for intuitionistic fuzzy sets

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Abstract

 Based on the concepts of intuitionistic fuzzy set and entropy by analying some problems existed in methods for calculating entropy of intuitionistic fuzzy sets，a new entropy for intuitionistic fuzzy sets is presented and its structure，properties are discussed.Compared with other existing entropies，it shows that the result of this entropy is among those of other methods.Therefore，it can make better limits to fuzziness of the fuzzy question and help people understand the fuzzy questions.Finally，its effectiveness is validated by some examples.

Key words   intuitionistic fuzzy sets   entropy   fuzziness

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