

论文

双向S-粗糙模糊集及其应用

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摘要:

利用模糊元素迁移的概念,将静态的模糊集推广到动态的模糊集,得到双向S-模糊集。以此为基础,提出了双向S-粗糙模糊集,给出了双向S-粗糙模糊集的结构。分析了双向S-粗糙模糊集与Z.Pawlak 粗集、Dubois粗糙模糊集以及双向S-粗集之间的关系。给出了双向S-粗糙模糊集的应用。

关键词: 动态模糊集 双向S-粗糙模糊集 模糊元素迁移 Dubois粗糙模糊集

A two-direction S-rough fuzzy set and its application

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Abstract:

Using the concept of fuzzy elementary transfers, a static fuzzy set was generalized to a dynamic fuzzy set, then a two-direction S-fuzzy set was obtained. Based on this, a two-direction S-rough fuzzy set was proposed, and its general structure was given. The relationships between a two-direction S-rough fuzzy set and Z.Pawlak rough sets, between a two-direction S-rough fuzzy set and a Dubois rough fuzzy set, between a two-direction S-rough fuzzy set and a two-direction S-rough set were analyzed. The application of the two-direction S-rough fuzzy set was given. A two-direction S-rough fuzzy set is a dynamic rough fuzzy set.

Keywords: dynamic fuzzy set two-direction S-rough fuzzy set fuzzy elementary transfers Dubois rough fuzzy set

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