学术探讨

单向S-粗模糊集及其特性

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摘要   提出动态的模糊集,即单向S-模糊集。由此提出了单向S-粗模糊集概念,给出了单向S-粗模糊集结构。定义了单向S-粗模糊集的截集概念,讨论了单向S-粗模糊集的特性。分析了单向S-粗模糊集与Z.Pawlak 粗集、Dubois 粗模糊集以及单向S-粗集之间的关系。给出了单向S-粗模糊集的背景和意义解释,单向S-粗模糊集是具有动态特性的粗模糊集。

关键词   单向S-粗模糊集   模糊元素迁移   单向S-模糊集   截集

分类号

One-direction S-rough fuzzy set and its properties

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Abstract

  To discuss a dynamic fuzzy set,a one-direction S-fuzzy set is proposed.Based on this,a one-direction S-rough fuzzy set is proposed,and its general structure is given.Cut sets of one-direction S-rough fuzzy set are defined.The properties of one-direction S-rough fuzzy set are discussed.The relationships between one-direction S-rough fuzzy set and Z.Pawlak rough sets,between one-direction S-rough fuzzy set and Dubois rough fuzzy set,between one-direction S-rough fuzzy set and one-direction S-rough set are analyzed.The existing background and meaning explanation of one-direction S-rough fuzzy set are given.One-direction S-rough fuzzy set is a dynamic rough fuzzy set.

Key words   one-direction S-rough fuzzy set   fuzzy elementary transfer   one-direction S-fuzzy set   cut set

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