

**عنوان مقاله:**

L-valued Fuzzy Rough Sets

**محل انتشار:**

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**خلاصه مقاله:**

In this paper, we take a GL-quantale as the truth value table to study a new rough set model—L-valued fuzzy rough sets. The three key components of this model are: an L-fuzzy set A as the universal set, an L-valued relation of A and an L-fuzzy set of A (a fuzzy subset of fuzzy sets). Then L-valued fuzzy rough sets are completely characterized via both constructive and axiomatic approaches.

**کلمات کلیدی:**

GL-quantale, L-valued Power Set, L-valued Relation, L-valued Fuzzy Rough Set

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