Arun Kumar

Algebras of definable and rough sets in quasi order-based approximation spaces

A quasi order-based approximation space is a pair (U, R), where R is a quasi order on U. A pair of approximation operators on quasi order-based approximation spaces have been proposed in an earlier work by Kumar and Banerjee. In this talk, we discuss the following :

1. Granules and topological representation of approximation operators.

2. Algebras of definable sets and their representations.

3. Algebras of rough sets and their representations.

4. Comparative study of classical rough sets.