Approximations of Rough Sets via Filter by using $g$-increasing and $g$-decreasing Sets

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Abstract

In this paper, we introduce a way of constructing a rough set via grill ordered topological spaces. Increasing and decreasing sets are defined based on grill and comparisons between current approximations and previous approximations by Shafei and Kandil are carried out. Also it is shown that the chances of getting better approximation by our method of approximations are greater than any of the available methods.

References


**Index Terms**

Computer Science

Information Sciences

**Keywords**

G-increasing, G-decreasing.