

Rough Approximations Using Fuzzy Ideals of Nearing

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ABSTRACT

In this paper, we present rough set approximations for an interval valued L-fuzzy ideal of a nearing by using a full congruence relation. We prove that the lower approximation and the upper approximation of an interval valued L-fuzzy ideal are interval valued L-fuzzy ideals. We study properties of rough set approximations under nearing homomorphism.

Keywords: nearing, approximation, ideal, t-norm

