

A NOTE ON FUZZY IDEALS OF A NEAR-RING

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Abstract

The concept of sum and direct sum of fuzzy ideals on a near-ring is studied. It is shown that if a near-ring N is a direct sum of near-rings and μ is a fuzzy ideal on N then μ can be expressed as a direct sum of fuzzy ideals.

Key Words : Zero symmetric near-ring, Fuzzy ideal, Fuzzy prime ideal, Sum of fuzzy ideals, Modular lattice, Direct sum of fuzzy ideals.

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