

## عنوان مقاله:

Implications, coimplications and left semi-uniforms on a complete lattice

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## خلاصه مقاله:

In this paper, we firstly show that the N-dual operation of the right residual implication, which is induced by a left-conjunctive right arbitrary  $\vee$ -distributive left semi-uniform, is the right residual coimplication induced by its N-dual operation. As a dual result, the N-dual operation of the right residual coimplication, which is induced by a left-disjunctive right arbitrary  $\wedge$ -distributive left semi-uniform, is the right residual implication induced by its N-dual operation. Then, we demonstrate that the N-dual operations of the left semi-uniforms induced by an implication and a coimplication, which satisfy the neutrality principle, are the left semi-uniforms. Finally, we reveal the relationships between conjunctive right arbitrary  $\vee$ -distributive left semi-uniforms induced by implications and disjunctive right arbitrary  $\wedge$ -distributive left semi-uniforms induced by coimplications, where both implications and coimplications satisfy the neutrality principle.

## کلمات کلیدی:

Fuzzy connective, Implication, Coimplication, Left semi-uniform, Neutrality principle

## لینک ثابت مقاله در پایگاه سیویلیکا:

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