عنوان مقاله:

Idempotent uninorms and nullnorms on bounded posets

نویسندگان:

M. Kalina - *Department of Mathematics, Faculty of Civil Engineering, Slovak University of Technology, Bratislava, Slovakia*

O. Staˇsov´a - *Department of Mathematics, Faculty of Civil Engineering, Slovak University of Technology, Bratislava, Slovakia*

خلاصه مقاله:

The paper deals with uninorms and nullnorms as basic semi-group operations which are commutative and monotone (increasing). These operations were first introduced on the unit interval and later generalized to bounded lattices. In [Kalina ۲۰۱۹], they were introduced on bounded posets. This contribution is a generalization and extension of the results in [Kalina ۲۰۱۹]. Some necessary and some sufficient conditions for the existence of idempotent uninorms and idempotent nullnorms on bounded posets are studied. Finally, some application examples are provided.

کلمات کلیدی:

Associative operation, idempotent semi-group, commutative monoids, Fuzzy connectives

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/1258089