

عنوان مقاله:

LATTICE-VALUED CATEGORIES OF LATTICE-VALUED CONVERGENCE SPACES

محل انتشار:

مجله سیستم های فازی، دوره 8، شماره 2 (سال: 1390)

تعداد صفحات اصل مقاله: 23

نویسنده:

Gunther Jager - Department of Statistics, Rhodes University, ۶۱۴۰ Grahamstown, South Africa

خلاصه مقاله:

We study L-categories of lattice-valued convergence spaces. Such categories are obtained by "fuzzifying" the axioms of a lattice-valued convergence space. We give a natural example, study initial constructions and function spaces. Further we look into some L-subcategories. Finally we use this approach to quantify how close certain lattice-valued convergence spaces are to being lattice-valued topological spaces.

کلمات کلیدی:

L-fuzzy convergence, L-topology, L-lter, L-limit space, L-category, Fuzzy category

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