

عنوان مقاله:

ON STRATIFIED LATTICE-VALUED CONVERGENCE SPACES

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خلاصه مقاله:

In this paper we provide a common framework for different stratified LM-convergence spaces introduced recently. To this end, we slightly alter the definition of a stratified LMN-convergence tower space. We briefly discuss the categorical properties and show that the category of these spaces is a Cartesian closed and extensional topological category. We also study the relationship of our category to the categories of stratified L-topological spaces and of enriched LM-fuzzy topological spaces.

کلمات کلیدی:

Lattice-valued convergence, LM-convergence space, Stratified LMN-convergence tower space, Stratified LM-filter, Stratified L-topological space, Enriched LM-fuzzy topological space

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