Regularity and complete distributivity in fuzzy metric spaces and formal contexts

Adriana Balan*

National University of Science and Technology POLITEHNICA Bucharest, Romania
adriana.balan@upb.ro

Invertibility is an ubiquitous concept in Category Theory. In this talk, I will discuss the relationship between two seemingly unrelated notions of invertibility: regularity of multi-valued relations and complete distributivity of (complete) fuzzy metric spaces.

References

[1] A. Balan. On the tensor product of quantale-enriched completely distributive categories, to appear in *Fundamental Structures in Computational and Pure Mathematics*, Trends in Mathematics, Springer (2025).