

Mykhailo Zarichnyi (University of Rzeszów)

On topology of spaces of persistence diagrams

The persistent homology is one of the most important tools in Topological Data Analysis. The persistence diagrams are used to characterize persistent homology and thus to describe geometric properties of data. There are different metrizations and topologizations of the set of persistence diagrams and the aim of the talk is to describe the topology of some of the obtained spaces.