Vin de SILVA

Zigzag persistence, 1. del

Abstract: Persistent homology is a fundamental tool in applications of algebraic topology to real-world scientific data sets. It is robust to local changes, whereas classical homology is not. I will give an overview of the theory, from one or two different vantage points, including a recent development known as zigzag persistence.

This is intended to be the first part of a two-part presentation. The second part will be given in a future seminar by Sara Kališnik.