GRADUATE SEMINAR

Carlos Gabriel Valenzuela Ruiz

Persistence modules and distances between them

MSc Student supervised by Dr. Donald Stanley

August 11, 2023
1:00 pm
Math Lounge (CW 307.20)

Abstract: Persistence modules have gained significant relevance in the past few decades thanks to the development of topological data analysis. This talk serves as an introductory lecture to persistence modules in a general setting. This includes what they are, how they appear in nature, and a notion of distance between them. The disance we'll focus on is a generalization of the interleaving distance and we will sketch a proof of its stability with respect to other distances.

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