



Seminari Informal de Matemàtiques de Barcelona

Speaker: Marco Praderio Bova.
University: Lancaster University.

Date: Wednesday, January 27th, 2021.
Schedule: 12:00, *virtual coffee break*; 12:20, talk.
Place: Zoom (the link will be posted on our website).
Language: English.

Title: Persistent homology and barcode distance

Abstract: Persistent homology is an algebraic topology tool that has gained a lot of relevance in topological data analysis during the past few years. During this lecture we will introduce this concept from a categorical point of view and use category theory techniques in order to prove what is known as stability theorem.

About us: *SIMBa* is a youth mathematics seminar organized by graduate students in the Barcelona area. It is aimed towards graduate and last course undergraduate students. Our goals are divulging the knowledge from different branches of mathematics for those interested and promote networking between the attendants.

This seminar is backed by the Faculty of Mathematics and Computer Science at Universitat de Barcelona, Faculty of Mathematics and Statistics at Universitat Politècnica de Catalunya, the Department of Mathematics from Univesitat Autònoma de Barcelona, CRM, IMUB and BGSMath.

Fore more information, visit at www.ub.edu/simba/en/.

If you have any doubt or comment do not hesitate to contact us by sending an email to seminari.simba@gmail.com.