Seminari Informal
de Matemàtiques de Barcelona

Speaker: Raffaele Carbone.

University: .

Date: Wednesday, May 5th, 2021.

Schedule: 12:00, *virtual coffee break*; 12:20, talk.

Place: Zoom (the link will be posted on our website).

Language: English.

Title: Spectral data of Higgs bundles

Abstract: Higgs bundles play an important role across many different areas of modern mathematics and physics: algebraic geometry, representation theory, Gauge theory, dynamical systems. In this seminar I will show how Higgs bundles on curves are studied by algebraic geometry by comparing them to torsion-free sheaves of rank 1 on associated spectral curves.

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 knoweledge 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*.