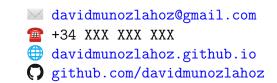
Last updated: January 17, 2023

david muñoz lahoz





Master's Degree in Mathematics and Applications

2022-Now

Autonomous University of Madrid

Specialization in introduction to research. Expected date of completion: July 2023.

Bachelor's Degree in Mathematics

2017-2022

Autonomous University of Barcelona

Bachelor thesis: *The classification of finitely generated modules over a PID and its application to canononical form theory.*

Bachelor's Degree in Physics

2017-2022

Autonomous University of Barcelona

Bachelor thesis: Quantum phase estimation with limited coherence.



additional education

Barcelona Introduction to Mathematical Research

July 2022

BGSMath, CRM, University of Barcelona

I attended five courses of introduction to mathematatical research, and worked under the supervision of Dr. Francesc Perera in an introductory research project, where we mainly studied properties of Cu-semigroups and W-semigroups, and the notion of covering dimension of these semigroups.

XI Escuela-Taller de Análisis Funcional Bernardo Cascales

March 2022

University of La Laguna

I attended an introductory workshop about local theory of Banach Spaces. During three days we worked on some topics related with finite representation and ultraproducts of Banach spaces, locally complemented subspaces, and \mathcal{L}_p spaces. We presented our work in the XVII Encuentro de la Red de Análisis Funcional y Aplicaciones.



publications

arXiv preprints

D. Munoz-Lahoz, J. Calsamiglia, J.A. Bergou, and E. Bagan. "Phase estimation with limited coherence". In: *arXiv* preprint arXiv:2207.05656 (2022). https://arxiv.org/abs/2207.05656



grants and awards

- (2022-2023) Grant JAE intro at ICMAT Grant to collaborate with a researcher at the ICMAT during the Master's degree studies.
 - (2022) Bachelor's Degree Extraordinary Award Academic award granted annually by each university in Spain to students who have completed their Bachelor's Degree with the highest GPA in their class.

work experience

Development of the Sangaku Maths webpage

Summer 2021

Biomimetics Sciences Institute (BSI)

Worked in the development and the creation of contents for the webpage sangakoo.com.

🗰 technical skills

Programming languages LATEX, PYHTON, C, BASH

Mathematical packages SageMath

Other Markdown, Git, Vim, Arch Linux



languages

Spanish Native Native Catalan

English IELTS Band 8