Jerónimo García-Mejía

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Expected September 2024	**Ph.D. Candidate in Mathematics**, *Karlsruhe Institute of Technology (KIT)*, Karlsruhe, Germany, Expected in September 2024. Supervisor: Jun.-Prof. Claudio Llosa Isenrich
2020	**M.Sc. in Mathematics (Grade 1.8)**, *University of Bonn*, Bonn, Germany. Thesis: *Group actions on hyperbolic spaces* **(Grade 1.0)** Supervisor: Prof. Dr. Ursula Hamenstädt Second examiner: Dr. Grigori Avramidi
2018	**B.Sc. in Mathematics (Grade 9.3 out of 10)**, *Universidad Nacional Autónoma de México (UNAM)*, Mexico City, Mexico. Thesis: *Constructions of Classifying Spaces* (in Spanish) Supervisor: Prof. Carlos Prieto. Second examiners: Prof. Marcelo Aguilar and Prof. Omar Antolín Camarena

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2022–2024	Ph.D. Scholarship from the Research Training Group (RTG) "Asymptotic Invariants and Limits of Groups and Spaces", *funded by the DFG (German Research Association)*, KIT.
2018–2020	Scholarship from the Rosa Luxemburg Stiftung, *Germany*.

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[1] J. García-Mejía, C. Llosa Isenrich, and G. Pallier. On the Dehn functions of central products of nilpotent groups, October 2023. **arXiv:2310.11144** [Submitted].

Other work containing original research

Group actions on hyperbolic spaces, Master Thesis, University of Bonn, Unpublished.

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April 2024	***Dehn functions of nilpotent groups***, *Research seminar Model theory and groups*, Münster, Germany.
March 2024	***Funciones de Dehn de grupos nilpotentes*** **(in Spanish)**, *Long-distance seminar in Geometric Group Theory in Mexico*, Online Seminar, Mexico.
Jan. 2024	***Dehn functions of central products of nilpotent groups***, *Geometry and Dynamics Seminar*, Université de Lille, Lille, France.
Oct. 2022	***The Geometry of the Word Problem***, *Baby Geometri Seminar*, University of Pisa - Scuola Normale Superiore, Pisa, Italy.
May 2020	***Group actions on hyperbolic spaces***, *Junior Geometry Seminar*, Heidelberg University, Heidelberg, Germany.

Contributed Talks

Dec. 2022	***Dehn functions of central products of nilpotent groups***, *AG Seminar: Topology and Geometric Group Theory*, Karlsruhe Institute of Technology, Karlsruhe, Germany.
May 2023	***Lightning Talk***, *Conference Geometry of subgroups*, Thematic program on Geometric Group Theory, Centre de Recherches Mathématiques, Montréal.
Feb. 2023	***Lightning Talk***, *Young Geometric Group Theory XI*, Münster, Germany.
Jan. 2022	***Bestvina-Brady Morse theory***, *GCD Seminar*, Karlsruhe Institute of Technology, Karlsruhe, Germany.
Feb. 2021	***Group actions, hyperbolic spaces and small cancellation***, *AG Seminar Metric Geometry*, Karlsruhe Institute of Technology, Karlsruhe, Germany.

Conference attendance

April 2024	***Young Geometric Group Theory XII***, *University of Bristol*, Bristol, United Kingdom.
March 2024	***Topological and Homological Methods in Group Theory 2024***, *Bielefeld University*, Bielefeld, Germany.
June 2023	***Cube complexes and combinatorial group theory***, *Thematic program on Geometric group theory*, Centre de Recherches Mathématiques, Montréal.
June 2023	***Groups around 3-manifolds***, *Thematic program on Geometric group theory*, Centre de Recherches Mathématiques, Montréal.
May 2023	***Geometry of subgroups***, *Thematic program on Geometric group theory*, Centre de Recherches Mathématiques, Montréal.
Feb. 2023	***Young Geometric Group Theory XI***, *WWU Münster*, Münster, Germany.
July 2022	***"Metric Geometry and Geometric Analysis"***, *MSRI-Oxford Summer Graduate School*, Oxford University, Oxford, United Kingdom.
June 2022	***Hyperbolic groups and their generalizations***, *Institut Henri Poincaré*, Paris, France.
March 2022	***Topological and Homological Methods in Group Theory 2022***, *Bielefeld University*, Bielefeld, Germany.
Feb. 2022	***Workshop on Finiteness properties***, *Karlsruhe Institute of Technology*, Karlsruhe, Germany.

Teaching Experience

My teaching experience covers preparing exercise-sheets, presenting solutions in front of the class, and grading. All of this in Spanish, English, and German.

Service

April 2022	Organizer of the RTG "Asymptotic Invariants and Limits of Groups and Spaces" Seminar: *Group (co)homology*, *KIT and Heidelberg University*, Germany.
Oct. 2021 - Sept. 2022	Speaker of the RTG "Asymptotic Invariants and Limits of Groups and Spaces", *KIT and Heidelberg University*, Germany.