## Miguel González

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With Tamás Hausel

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Educatio	'n
PhD Student in Mathematics Research	2023
Universidad Complutense de Madrid (UCM) - Instituto de Ciencias Matemátic	cas (ICMAT)
Advisers: Oscar García-Prada and Tamás Hausel	
Masters Degree in Mathematics	2022 - 2023
Universidad Autónoma de Madrid (UAM)	Average grade: 9.94/10
Dissertation: Cyclic Higgs bundles and Vinberg theory	5 courses with honours
Double Degree in Mathematics and Computer Science	2017 – 2022
Universidad Autónoma de Madrid (UAM)	Average grade: 9.82 / 10
	44 courses with honours
Experien	ce
PhD Research - <i>la Caixa</i> foundation InPhINIT Retaining Fellowship	2023-
Instituto de Ciencias Matemáticas (ICMAT)	Project: Higgs bundles, Hausel algebras and involutions
Advisers: Oscar García-Prada and Tamás Hausel	Grant LCF/BQ/DR23/12000030
Research Grant	Sept. 2022 - Jun. 2023
Instituto de Ciencias Matemáticas (ICMAT)	Project: Cyclic Higgs bundles and Vinberg theory
Supervised by Oscar García-Prada	Grant JAEICU-21-ICMAT-01, Top 1 application score
Research Intern	Jul. 2022 - Aug. 2022
Hausel Group (Geometry and its Interfaces), Institute Of Science And Techno. Supervised by Tamás Hausel	<b>.</b>
Collaboration grant	Nov. 2021 - Jul. 2022
Department of Mathematics, Universidad Autónoma de Madrid	Project: Theoretical and computational research about
Supervised by Ernesto Girondo Sirvent	properties of fundamental domains of Fuchsian groups
Introduction to Mathematical Research Grant Severo Ochoa	Summer 2021
Instituto de Ciencias Matemáticas (ICMAT)	Project: Introduction to Moduli Spaces and Higgs Bundles
Supervised by Oscar García-Prada	reject. Introduction to moduli opaces and mygs Dunates
Research inte	erests
ifferential and algebraic geometry, moduli spaces of geometric strue anglands Duality.	ctures on Riemann surfaces, Higgs bundles, Mirror Symmetry
Preprints / Pub	lications
Cyclic Higgs bundles and the Toledo invariant With Oscar García-Prada	In preparation
Hitchin map on even very stable upward flows	March 2022
	march 2022

March 2022 arXiv:2303.01404 Accepted for publication - International Journal of Mathematics

Attended conferences	
Arbeitsgemeinschaft: Geometry and Representation Theory around the P=W Conjecture Matematisches Forschungsinstitut Oberwolfach (MFO)	(Upcoming) April 2024
The Hitchin system, Langlands duality and mirror symmetry Instituto de Ciencias Matemáticas (ICMAT)	24-28 April 2023
Moduli spaces and geometric structures Conference in honour of Oscar García-Prada on the occasion of his 60th birthday Instituto de Ciencias Matemáticas (ICMAT)	12-16 September 2022
ICMAT - JAE School of Mathematics Instituto de Ciencias Matemáticas (ICMAT)	July 2021
Talks	
Mixed Hodge theory Arbeitsgemeinschaft: Geometry and Representation Theory around the P=W Conjecture Matematisches Forschungsinstitut Oberwolfach (MFO)	(Upcoming) April 2024
The Hitchin Fibration and Spectral Curves Hitchin-Ngô Lab Working Group Instituto de Ciencias Matemáticas (ICMAT)	February 2023
Research visits	
Institute of Science and Technology Austria (ISTA) Hausel Group (Geometry and its Interfaces)	19-28 January 2023
Awards and prizes	
UAM Young Talent Award Awarded by Universidad Autónoma de Madrid (UAM)	2022
Best undergraduate academic record Awarded by Universidad Autónoma de Madrid (UAM)	2022
Excellence Grant Awarded by the Comunidad de Madrid	2018, 2019, 2020, 2021
Best academic record of first year undergraduate students Awarded by Universidad Autónoma de Madrid (UAM)	2018
<i>Concurso de Primavera de Matemáticas</i> (Mathematics contest) <i>Winner (Top 20)</i>	2017
Extraordinary Prize of Bachillerato Awarded by the Comunidad de Madrid to Top <1% high secondary school students	2017
Extraordinary Prize of Secondary Education Awarded by the Comunidad de Madrid to Top <1% basic secondary school students	2015
Skills	
Spanish: Native level English: Fluent level Franch: Intermediate level	

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PhD studies grant	2023
FPU Grant - Spanish Ministry of Universities	
Funding for a 4 year PhD research and teaching contract	
PhD studies grant	2023
ICMAT Severo Ochoa FPI Grant - Spanish Ministry of Science and Innovation	
Funding for a 4 year PhD research contract	
Masters studies grant	2022-2023

Department of Mathematics, Universidad Autónoma de Madrid (UAM) 10000€ for masters studies and research

**Miscellaneous publications** 

Top 1 application score

Undergraduate course notes LaTeX notes for every course I took during my undergraduate mathematics studies. Available at miguelgg.com