Andres Fernandez Herrero *Curriculum Vitae*

	Personal and contact information					
Full name	e Andres Fernandez Herrero.					
Nationality	Spanish.					
Website	https://www.math.columbia.edu/~andresfh/.					
	Employment					
2022-present	Ritt Assistant Professor (postdoc), Columbia University (USA).					
	Education					
2016-2022	PhD in Mathematics , <i>Cornell University (USA)</i> , Degree earned May 2022.					
	Thesis commitee: Nicolas Templier (Chair), Daniel Halpern-Leistner, Dan Barbasch.					
2012-2016	B.A. in Mathematics (Summa Cum Laude) , University of San Diego (USA).					
	Scholarships and Awards					
2022	Hutchinson Fellowship, Cornell University.					
2018	Eleanor Norton York Award, Cornell University.					
2016-2017	Graduate Fellowship, Cornell University.					
2012-2016	Alcala Scholarship, University of San Diego.					
2015	Highest Honors , Budapest Semesters in Mathematics.					
	Preprints					
2022	Geometry of the logarithmic Hodge moduli space, with M.A. de Cataldo and an appendix joint with S. Zhang, https://arxiv.org/abs/2211.06754.					
2022	On automorphisms of semistable G-bundles with decorations, https://arxiv.org/abs/2202.13360.					
2021	The moduli stack of principal ρ -sheaves, with T. L. Gómez and A. Zamora, https://arxiv.org/abs/2107.03918.					

- 2021 Moduli spaces of sheaves via affine Grassmannians, with D. Halpern-Leistner and T. Jones, https://arxiv.org/abs/2107.02172.
- 2021 Harder-Narasimhan stratification for the moduli stack of parabolic vector bundles, https://arxiv.org/abs/2101.08871.
- 2020 Classification of affine normal SL(2) varieties with a dense open orbit, with R. Horruitiner, https://arxiv.org/abs/2012.02815.
- 2020 On the quasicompactness of the moduli stack of logarithmic G-connections over a curve, https://arxiv.org/abs/2002.11832.
- 2020 Reduction theory of connections over the formal punctured disc, https://arxiv.org/abs/2003.00008.

Publications

2016 An Inequality about Hölder Conjugate Numbers, with A. Stan, Journal of Mathematical Inequalities, Volume 10, Number 4. 1093-1104

Teaching Experience

- Fall 2022, Instructor, Columbia University,
- Spring 2023 Calculus II.
 - Fall 2021 **Instructor**, Cornell University, Calculus II.
 - Fall 2020 **Teaching Assistant**, Cornell University, Differential Equations for Engineers.
- Spring 2020, **Teaching Assistant**, *Cornell University*, Fall 2018, Multivariable Calculus for Engineers.
- Fall 2017
- Spring 2019 **Grader**, Cornell University. Algebra II
- Spring 2018 **Grader**, Cornell University. Complex Analysis

Invited talks

December	University of Pennsylvania, Math-Physics joint seminar
2022	Gauged Gromov-Witten theory via affine grassmannians.

- August 2022 SwissMAP research station in Les Diablerets, Workshop: Gauged maps, vortices and their moduli spaces.. Compatifications of the moduli of vector bundles on stable curves.
 - May 2022 University of Washington, Algebraic Geometry Seminar. Intrinsic construction of moduli spaces via affine Grassmannians.

March 2022	Princeton University , Algebraic Geometry Seminar. Intrinsic construction of moduli spaces via affine Grassmannians.				
March 2022	University of Georgia , Algebraic Geometry Seminar (virtual). Intrinsic construction of moduli spaces via affine Grassmannians.				
February 2022	Columbia University , Algebraic Geometry Seminar. Intrinsic construction of moduli spaces via affine Grassmannians.				
February 2022	University of Utah , Algebraic Geometry Seminar. Intrinsic construction of moduli spaces via affine Grassmannians.				
February 2022	Stony Brook University , Algebraic Geometry Seminar. Intrinsic construction of moduli spaces via affine Grassmannians.				
January 2022	UC Santa Barbara , Seminar on Geometry and Arithmetic (virtual). Intrinsic construction of moduli spaces via affine Grassmannians.				
January 2022	Ohio State University , Arithmetic Geometry Seminar. Intrinsic construction of moduli spaces via affine Grassmannians.				
January 2022	University of Michigan , Algebraic Geometry Seminar. Intrinsic construction of moduli spaces via affine Grassmannians.				
November 2021	Pennsylvania State University , Algebra and Number Theory Seminar (virtual). Moduli of sheaves via affine Grassmannians.				
October 2021					
October 2021	Univesity of Notre Dame , Algebraic geometry and commutative algebra seminar.				
	Moduli of sheaves via affine Grassmannians.				
June 2021	ICMAT , Geometry Seminar (virtual). Moduli of sheaves via affine Grassmannians.				
April 2021	UMass Boston , Department colloqium (virtual). On the boundedness of logarithmic G-connections				
	Organization				
Spring 2023	Informal Algebraic Geometry Seminar (Co-organizer) , Columbia University. Minimal Model Program.				
Fall 2022	Informal Algebraic Geometry Seminar (Co-organizer) , Columbia University. Vector bundles methods and Brill-Noether theory				
Spring 2022	Graduate Student Algebraic Geometry learning seminar (Orga- nizer), Cornell University. Moduli of curves.				

	Outreach and expository talks						
	Undegraduate <i>University</i> .	Mathematical	Society	Lecture,	Columbia		
1	Graduate Student Colloqium Talk, Columbia University. Moduli of vector bundles on curves and related moduli problems.						