Andres Fernandez Herrero
Curriculum Vitae

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Personal

Full name	**Andres Fernandez Herrero**.
Nationality	**Spanish**.

Education

2016-present	**PhD in Mathematics**, *Cornell University (USA)*, 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

2021	**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*.

Publications and preprints

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`.

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

Teaching Experience

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

Workshops/Conferences/Schools

January 2021	**AIM Workshop: Moduli problems beyond geometric invariant theory**. American Institute of Mathematics
April 2019	**Hot Topics Workshop: Recent progress in Langlands Program**. MSRI
March 2019	**Arizona Winter School 2019: Topology and Arithmetic**. The Southwestern Center for Arithmetic Geometry
January 2019	**Winter School "Trace functions and their applications'**. Congressi Stefano Franscini (ETH Zurich)
June 2018	**L-functions: Open Problems and Current Methods**. Hausdorff Center for Mathematics
June 2018	**Algebraic Groups and Geometrization of the Langlands Program**. ENS Lyon
March 2018	**Arizona Winter School 2018: Iwasawa Theory**. The Southwestern Center for Arithmetic Geometry
February 2018	**Winter School and Workshop "Riemann Hilbert Correspondences"**. Università di Padova

Talks

November 2021	**Moduli of sheaves via affine Grassmannians**. Algebra and Number Theory Seminar, Pennsylvania State University
October 2021	**Moduli of sheaves via affine Grassmannians**. Math-Physics joint seminar, University of Pennsylvania
October 2021	**Moduli of sheaves via affine Grassmannians**. Alebraic geometry and commutative algebra seminar, University of Notre Dame
June 2021	**Moduli of sheaves via affine Grassmannians**. Geometry seminar, ICMAT
April 2021	**On the boundedness of logarithmic G-connections**. Department colloqium, UMass Boston
April 2021	**Local classification of differential equations**. Olivetti seminar, Cornell University