Pedro Núñez | Curriculum Vitae

Contact details

Homepage: https://pedro-nunez.github.io

Email: pedro.nunez@math.uni-freiburg.de

Publications and preprints

- *Adapted differentials as a qfh-sheaf.*
  Mathematische Zeitschrift 304, 68 (2023). DOI:10.1007/s00209-023-03330-6.
  Preprint: arXiv:2210.07968.
- *A note on semiorthogonal decompositions for Fano fibrations.*
  Geometriae Dedicata 2216, 20 (2022). DOI:10.1007/s10711-022-00680-z.
  Preprint: arXiv:2002.10987.

Contributed talks

Géométrie Algébrique en Liberté XXIX   **Orsay, France**
Title: *Semiorthogonal decompositions on Fano fibrations.*   *24 May 2022*

2nd BYMAT Conference   **Madrid, Spain**
Title: *Derived categories of Fano varieties and Mori fibre spaces.*   *21 May 2019*

Seminar talks

Luxembourg algebraic geometry seminar   **Esch-sur-Alzette, Luxembourg**
Title: *Adapted differentials on Campana orbifolds.*   *22 March 2023*

NCTS Seminar in Algebraic Geometry (online)   **Taipei, Taiwan**
Title: *Adapted differentials on Campana orbifolds.*   *6 February 2023*

Red de Doctorandos en Matemáticas UCM (online)   **Madrid, Spain**
Title: *Categorías derivadas y geometría birracional.*   *22 March 2022*

Education

PhD in Mathematics – *University of Freiburg*   **Freiburg, Germany**
Categorical aspects of Campana orbifolds, supervised by Stefan Kebekus.   *September 2019 - July 2023*
Grade: magna cum laude

Master in Mathematics – *University of Bonn*   **Bonn, Germany**
Average: 1.2 (German grading system.)   *October 2017 - July 2019*

Bachelor in Mathematics – *Complutense University and LMU Munich* (*Erasmus*)   **Madrid, Spain**
Average: 8.34 (Spanish grading system.)   *September 2013 - August 2017*

Teaching experience

Elementargeometrie – *Assistant*   **University of Freiburg**
Lecturer: Annette Huber-Klawitter.   *Summer Term 2023*

Riemannsche Flächen – *Assistant*[*]   **University of Freiburg**

Lecturer: Stefan Kebekus. *Winter Term 2022/2023*

Elementargeometrie – *Assistant* **University of Freiburg**
Lecturer: Annette Huber-Klawitter. *Summer Term 2022*

Algebra und Zahlentheorie – *Assistant* **University of Freiburg**
Lecturer: Annette Huber-Klawitter. *Winter Term 2021/2022*

Einführung in die Algebra – *Tutor*** **University of Bonn**
Lecturer: Jan Schröer. *Winter Term 2018/2019*

Lineare Algebra für Informatik und Lehramt – *Tutor* **University of Bonn**
Lecturer: Thoralf Räsch. *Summer Term 2018*

*The job of an assistant in Germany is to create exercise sheets and coordinate the exercise classes.
**The job of a tutor in Germany is to grade homework and discuss its solutions in an exercise class.

Summer schools, workshops and conferences attended

Geometric and Arithmetic Frontiers of Orbifolds II **Strasbourg, France**
IRMA - Université de Strasbourg *5 to 9 April 2023*

Komplexe Analysis — Differential and Algebraic methods in Kähler spaces **MFO, Germany**
Mathematisches Forschungsinstitut Oberwolfach *9 to 14 April 2023*

Crash Course Condensed Mathematics **Freiburg, Germany**
University of Freiburg *13 to 17 March 2023*

Abschlusskolloquium of GK "Cohomological Methods in Geometry" **Freiburg, Germany**
University of Freiburg *14 to 15 July 2022*

Birational Geometry conference **Lausanne, Switzerland**
EPFL *13 to 17 June 2022*

Géométrie Algébrique en Liberté XXIX **Orsay, France**
Laboratoire de Mathématiques d'Orsay *23 to 27 May 2022*

Workshop Higher Algebra **Darmstadt, Germany**
Technical University of Darmstadt *16 to 18 March 2022*

New Techniques in Resolution of Singularities (online participant) **MFO, Germany**
Mathematisches Forschungsinstitut Oberwolfach *24 to 30 October 2021*

Workshop on K-theory, algebraic cycles and motivic homotopy theory **Cambridge, UK**
Isaac Newton Institute for Mathematical Sciences *13 to 17 January 2020*

o-Minimal Structures in Algebraic Geometry Summer School **Freiburg, Germany**
University of Freiburg *9 to 13 September 2019*

Moduli and Stability conditions Summer School **Hannover, Germany**
University of Hannover *29 July to 2 August 2019*

2nd BYMAT Conference **Madrid, Spain**
ICMAT *20 to 24 May 2019*

Geometry Summer School **Utrecht, Netherlands**
Utrecht University *14 to 25 August 2017*

Partial Differential Equations Summer School **Lisbon, Portugal**
Fundação Calouste Gulbenkian *4 to 8 July 2016*

Dynamical Systems Summer School **Lisbon, Portugal**
Fundação Calouste Gulbenkian *6 to 10 July 2015*

Algebraic Geometry Summer School **Lisbon, Portugal**

Scholarships and funding

Geometric and Arithmetic Frontiers of Orbifolds II **Strasbourg, France**
Funded by IRMA to attend their workshop. *June 2023*

Oberwolfach Leibniz Graduate Students (OWLG) **Oberwolfach, Germany**
Funded by MFO to attend the Komplexe Analysis workshop at Oberwolfach. *April 2023*

2nd BYMAT Conference **Madrid, Spain**
Funded by ICMAT to attend their conference. *May 2019*

Geometry Summer School **Utrecht, Netherlands**
Funded by Utrecht University to attend their summer school. *August 2017*

Erasmus Scholarship **Munich, Germany**
Studied at the LMU as an Erasmus exchange student. *Course 2016/2017*

Dynamical Systems Summer School **Lisbon, Portugal**
Funded by the Gulbenkian Foundation to attend their summer school. *July 2015*

Languages

Spanish: Native speaker

English: C1 level IELTS with score 8

German: C1 level Goethe-Zertifikat C1

Mandarin: B1 level HSK3 + HSKK Basic

Other interests and activities

World Space Observatory – Ultraviolet **Madrid, Spain**
Internship at the WSO-UV space telescope project *1 to 31 July 2015*

- Analysis of time series from ultraviolet spectroscopy measurements.
- Director: Ana I. Gómez de Castro.

Astronomy – *International Astronomical Youth Camp 2014* **Weyer, Austria**
Observational astronomy and weather modeling with Matlab. *20 July to 9 August 2014*

Programming – *Android application development I, II* and *III* **Madrid, Spain**
Courses taken at TEIDE Centros de Formación. *2013*

Piano – *Escuela de música y danza* **Madrid, Spain**
Piano, musical language and its theory, harmony and chamber music. *2005 to 2012*