

# Pedro Núñez | Curriculum Vitae

## Contact details

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**Homepage:** <https://home.mathematik.uni-freiburg.de/nunez>

**Email:** [pedro.nunez@math.uni-freiburg.de](mailto:pedro.nunez@math.uni-freiburg.de)

**Address:** University of Freiburg, Mathematical Institute  
Ernst-Zermelo-Straße 1, 79104 Freiburg im Breisgau, Germany

## Publications and preprints

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- *Adapted differentials as a  $q$ -sheaf*. (Submitted.) 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

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### **Géométrie Algébrique en Liberté XXIX**

Title: *Semiorthogonal decompositions on Fano fibrations*.

**Orsay, France**

24 May 2022

### **2nd BYMAT Conference**

Title: *Derived categories of Fano varieties and Mori fibre spaces*.

**Madrid, Spain**

21 May 2019

## Seminar talks

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### **NCTS Seminar in Algebraic Geometry (Online)**

Title: *Adapted differentials on Campana orbifolds*.

**Taipei, Taiwan**

6 February 2023

### **Red de Doctorandos en Matemáticas UCM (Online)**

Title: *Categorías derivadas y geometría birracional*.

**Madrid, Spain**

22 March 2022

## Education

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### **PhD in Mathematics – University of Freiburg**

Supervisor: Stefan Kebekus.

**Freiburg, Germany**

September 2019 - Present

### **Master in Mathematics – University of Bonn**

Average: 1.2 (German grading system.)

**Bonn, Germany**

October 2017 - July 2019

### **Bachelor in Mathematics – Complutense University and LMU Munich (Erasmus)**

Average: 8.34 (Spanish grading system.)

**Madrid, Spain**

September 2013 - August 2017

## Teaching experience

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### **Elementargeometrie – Assistant**

Lecturer: Annette Huber-Klawitter.

**University of Freiburg**

Summer Term 2023

### **Riemannsche Flächen – Assistant\***

Lecturer: Stefan Kebekus.

**University of Freiburg**

Winter Term 2022/2023

### **Elementargeometrie – Assistant**

Lecturer: Annette Huber-Klawitter.

**University of Freiburg**

Summer Term 2022

### **Algebra und Zahlentheorie – Assistant**

**University of Freiburg**

Lecturer: Annette Huber-Klawitter.

**Einführung in die Algebra – Tutor\*\***

Lecturer: Jan Schröer.

**Lineare Algebra für Informatik und Lehramt – Tutor**

Lecturer: Thoralf Räsch.

Winter Term 2021/2022

**University of Bonn**

Winter Term 2018/2019

**University of Bonn**

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

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**Abschlusskolloquium of GK “Cohomological Methods in Geometry”**

*University of Freiburg*

**Freiburg, Germany**

14 to 15 July 2022

**Birational Geometry conference**

*EPFL*

**Lausanne, Switzerland**

13 to 17 June 2022

**Géométrie Algébrique en Liberté XXIX**

*Laboratoire de Mathématiques d’Orsay*

**Orsay, France**

23 to 27 May 2022

**Workshop Higher Algebra**

*Technical University of Darmstadt*

**Darmstadt, Germany**

16 to 18 March 2022

**New Techniques in Resolution of Singularities**

*Mathematisches Forschungsinstitut Oberwolfach (online participant)*

**Oberwolfach, Germany**

24 to 30 October 2021

**Workshop on K-theory, algebraic cycles and motivic homotopy theory**

*Isaac Newton Institute for Mathematical Sciences*

**Cambridge, UK**

13 to 17 January 2020

**o-Minimal Structures in Algebraic Geometry Summer School**

*University of Freiburg*

**Freiburg, Germany**

9 to 13 September 2019

**Moduli and Stability conditions Summer School**

*University of Hannover*

**Hannover, Germany**

29 July to 2 August 2019

**2nd BYMAT Conference**

*ICMAT*

**Madrid, Spain**

20 to 24 May 2019

**Geometry Summer School**

*Utrecht University*

**Utrecht, Netherlands**

14 to 25 August 2017

**Partial Differential Equations Summer School**

*Fundação Calouste Gulbenkian*

**Lisbon, Portugal**

4 to 8 July 2016

**Dynamical Systems Summer School**

*Fundação Calouste Gulbenkian*

**Lisbon, Portugal**

6 to 10 July 2015

**Algebraic Geometry Summer School**

*Fundação Calouste Gulbenkian*

**Lisbon, Portugal**

14 to 18 July 2014

## Scholarships and funding

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**2nd BYMAT Conference**

Funded by ICMAT to attend their conference.

**Madrid, Spain**

May 2019

**Geometry Summer School**

Funded by Utrecht University to attend their summer school.

**Utrecht, Netherlands**

August 2017

**Erasmus Scholarship**

Studied at the LMU as an Erasmus exchange student.

**Munich, Germany**

Course 2016/2017

**Dynamical Systems Summer School**

**Lisbon, Portugal**

Funded by the Gulbenkian Foundation to attend their summer school.

July 2015

## Languages

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**Spanish:** Native speaker

**English:** C1 level

**German:** C1 level

*IELTS with score 8.*

*Goethe-Zertifikat C1.*

## Other interests and activities

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**World Space Observatory – Ultraviolet**

Internship at the WSO-UV space telescope project

**Madrid, Spain**

*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*

Observational astronomy and modeling with Matlab.

**Weyer, Austria**

*20 July to 9 August 2014*

**Programming** – *Android application development I, II and III*

Courses taken at TEIDE Centros de Formación.

**Madrid, Spain**

*2013*

**Piano** – *Escuela de música y danza*

Piano, musical language and its theory, harmony and chamber music.

**Madrid, Spain**

*2005 to 2012*