

Giacomo Nanni

Curriculum Vitae

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Education

- 2023 - **PhD student**, in cotutelle between *Alma Mater Studiorum - Università di Bologna* (AMS) Bologna, Italy and *Ruhr-Universität* (RUB), Bochum, Germany
- Working title: Lagrangian fibrations of Nikulin orbifolds
 - Supervisors: Giovanni Mongardi (AMS), Christian Lehn (RUB)
- 2020-2023 **MSc Mathematics**, AMS, Bologna, Italy
- Thesis title: Classification of lagrangian planes in Kummer-type hyperkähler manifolds
 - Supervisor: Giovanni Mongardi
 - Examiner: Luca Migliorini
 - Assessment: 110/110 cum laude
- A.Y. **M2 Mathématiques fondamentales**, *Université de Paris*, Paris, France
- 2021-2022
- 2017-2020 **BSc Mathematics**, AMS, Bologna, Italy
- Thesis title: Varietà di Segre e di Veronese
 - Supervisor: Monica Idà
 - Assessment: 110/100 cum laude

Publications

Preprints

- *Lagrangian fibrations on Nikulin-type orbifolds*. arXiv:2512.19244
- *Monodromy of Nikulin orbifolds*. arXiv:2503.14441
- *Classification of lagrangian planes in Kummer-type hyperkähler manifolds*. arXiv:2310.15639

Talks and Posters

- 10.2025 **Oberseminar Algebraische und Komplexe Geometrie**, RUB, Bochum, Germany
- 06.2025 **Poster at Gael XXXII**, Toulouse, France
- 03.2025 **Talk at PhD Open Day**, Bologna, Italy
- 11.2023 **Talk at the University of North Carolina**, Chapel Hill, USA
- 09.2024 **Poster at Ricercatori in algebra e geometria**, Milano, Italy
- 09.2024 **Poster at New perspectives on hyperkähler manifolds**, Cetraro, Italy
- 03.2024 **Junior talk at LEGAL**, Teresópolis, Rio de Janeiro, Brazil

Research visits

04.11.2024- **University of North Carolina**, Chapel Hill, USA

24.11.2024 Invited by Justin Sawon

Teaching

Tutor (Teaching Assistant) for the following courses

A.Y. **Aritmetica e Gruppi, BSc in Mathematics**, AMS, Bologna, Italy

2024-2025 Supervisors: Alessandro D'Andrea, Jacopo Gandini

- **Geometria 2 (Topology), BSc in Mathematics**, AMS, Bologna, Italy
Supervisor: Giovanni Mongardi

A.Y. **Algebra e Geometria (Linear Algebra), BSc in Physics**, AMS, Bologna,
2023-2024 Italy

Supervisor: Alessia Cattabriga

- **Algebra 1, BSc in Mathematics**, AMS, Bologna, Italy
Supervisor: Luca Moci

- **Algebra 2, BSc in Mathematics**, AMS, Bologna, Italy
Supervisor: Fabrizio Caselli

- **Geometria 2 (Topology), BSc in Mathematics**, AMS, Bologna, Italy
Supervisor: Giovanni Mongardi

A.Y. **Algebra e Geometria (Linear Algebra), BSc in Physics**, AMS, Bologna,
2022-2023 Italy

Supervisor: Alessia Cattabriga

Languages

I'm a native *Italian* speaker, and I feel comfortable speaking in *English* and *French*.