Achim NAPAME

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Education

2023-2024: **Post-doct**, IMECC-Unicamp (Campinas, Brazil), supervised by Marcos Jardim.

2020-2023: **PhD in Mathematics**, University of Western Brittany, supervised by Carl Tipler. Phd thesis available on HAL.

2019-2020: **Master Fundamental Mathematics**, University of Rennes 1.

2018-2019: **Master Agrégation**, Paris-Sud University. Admitted to the Agrégation, rank 167.

2017-2018: **First year of Master**, Paris-Sud University.

2016-2017: **Bachelor's degree in Fundamental and Applied Mathematics**, Paris-Sud University.

2013-2016: **Preparatory classes**, Lycée Condorcet, Paris.

Preprints

- **Toric sheaves and flips**, with Andrew Clarke and Carl Tipler. Preprint ArXiv 2309.09267.

- **Classification of log smooth toric del Pezzo pairs**, preprint Hal-03644097.

Publications

2. **Toric sheaves, stability and fibrations**, with Carl Tipler. *Journal of Pure and Applied Algebra*, DOI, preprint ArXiv 2210.04587.

1. **Stability of equivariant logarithmic tangent sheaves on toric varieties of Picard rank two**. To appear in *Annales de la faculté des sciences de Toulouse*, preprint ArXiv 2111.15387.

Talks

June 2023: **Stability of pullbacks of sheaves along toric fibrations**.
Workshop BRIDGES: Specials geometries and gauge theories, University of Pau (France).

June 2023: **Stability of pullbacks of sheaves along blowups on toric varieties**. Quimperiodic, Quimper (France).

December 2022: **Stability of pullbacks of sheaves along toric fibrations**. Geometry seminar, IRMAR, University of Rennes 1 (France).

June 2022: **Stability of equivariant logarithmic tangent sheaves on smooth toric varieties**. Workshop MARGE: Young researchers in Kähler and Hermitian geometry, University of Montpellier (France).

March 2022: **Stability of equivariant logarithmic tangent sheaves on smooth toric varieties**. Geometry seminar, Laboratoire de Mathématiques Jean Leray, University of Nantes (France).

Master's thesis and internship

Introduction to toric varieties. Master 2 thesis under the supervision of Carl Tipler.

Picard group and Albanese map of a compact Kähler manifold. Master 2 seminar under the supervision of Benoît Claudon.

The Newlander-Nirenberg theorem. Master thesis under the supervision of Hugues Auvray.

Introduction to plurisubharmonic functions. Master thesis under the supervision of Hoang-Chinh Lu.

Pion form factor (June 2018). Internship under the supervision of Emi Kou at Laboratoire de l'Accélérateur Linéaire, Orsay (France).

Teaching experiences

2020-2023: University of Western Brittany, 188 hours of exercise sessions.

- First year of Bachelor's degree: Exercise sessions on Analysis (2020-2021, 2021-2022) and exercise sessions on Linear algebra (2022-2023).

- Second year of Bachelor's degree: Exercise sessions on Numerical series (2020-2021, 2021-2022) and exercise sessions on Analysis of $\mathbb{R}^n$ (2022-2023).