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born December 13, 1995

# Yann Chaubet

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## Positions

- 2023– **Assistant Professor**, Nantes Université.  
2022–2023 **Herchel Smith Research Fellow**, University of Cambridge.

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## Education

- 2019–2022 **P.h.D in fundamental mathematics**, under the supervision of Colin Guillarmou, Université Paris-Saclay.  
2014–2019 **Élève**, École normale supérieure, Paris.

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## Publications and Preprints

**Combinatorial zeta functions for triangles**, with Léo Bénard, Nguyen Viet Dang and Thomas Schick.  
preprint arXiv :2303.11226

**Dynamical zeta functions for billiards**, with Yannick Guedes Bonthonneau, Thibault Lefeuvre and Leo Tzou.  
To appear in *Probability Theory and Related Fields*.

**Dynamical zeta functions for billiards**, with Vesselin Petkov.  
To appear in *Anales de l'Institut Fourier*.

**Resolvent of vector fields and Lefschetz numbers**, with Yannick Guedes Bonthonneau.  
To appear in *Pure and Applied Analysis*.

**Dynamical torsion for contact Anosov flows**, with Nguyen Viet Dang.  
To appear in *Analysis & PDE*.

**Closed geodesics with prescribed intersection numbers**.  
*Geometry & Topology*, 28 :701–758, 2024

**Closed billiard trajectories with prescribed bounces**.  
*Annales Henri Poincaré*, Vol. 24, No. 3, pp. 1051-1075, 2022

**Poincaré series for surfaces with boundary**.  
*Nonlinearity*, 35(12) :5993, 2022

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## Invited talks

### International conferences

- Mar 2023 **Paris-London Analysis seminar**, London.

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- Mar 2022 **Rigidity problems in geometry**, Roscoff.
- Feb 2022 **Spectra and Dynamics on (Locally) Symmetric Spaces**, Paderborn.
- Dec 2021 **Spectral Geometry in the clouds**, Online.
- Nov 2021 **ANR "Aléatoire, dynamique et spectre" meeting**, Nantes.
- Sep 2021 **Hyperbolic dynamical systems and resonances**, Porquerolles.
- Apr 2021 **Ruelle-Pollicott Resonances in dynamics and semiclassical analysis**, Lausanne (online).
- Apr 2020 **Spectral problems, hyperbolic dynamical systems and quantum chaos**, Online.
- Oct 2018 **NxSE Tech Forum**, Paris.

#### [Seminars](#)

- May 2022 **Séminaire Gaston Darboux**, Institut Montpellierain Alexander Grothendieck.
- Apr 2022 **Oberseminar Dynamische Systeme**, Ruhr-Universität, Bochum.
- Apr 2022 **Seminari di Sistemi Dinamici**, Centro di Ricerca Matematica Ennio De Giorgi, Pisa.
- Feb 2022 **Séminaire de Physique Mathématique**, Institut de Mathématiques de Bordeaux.
- Jun 2021 **Séminaire de géométrie**, Institut de Mathématiques d'Orsay.
- Apr 2021 **Geometrische Analysis und Zahlentheorie**, Universität Paderborn.
- Mar 2021 **Séminaire de vulgarisation des doctorants**, Institut de mathématiques d'Orsay.
- Nov 2020 **Séminaire d'analyse des doctorants**, Institut de mathématiques d'Orsay.
- Fev 2020 **Séminaire d'Analyse Harmonique**, Institut mathématique d'Orsay.
- Jan 2020 **Séminaire Teich**, Institut mathématique de Marseille.
- Fev 2019 **Working group : b-calculus**, Institut mathématique d'Orsay.