

RENÉ PFITSCHER PH.D.

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PERSONAL	Citizenship: Italian Languages: German, French, English, Italian (all fluent)	
RESEARCH INTERESTS	Homogeneous dynamics, measure theory, harmonic analysis, geometry of numbers, diophantine approximation, random walks on Lie groups	
EMPLOYMENT	University of Science and Technology of China <i>Postdoc in Mathematics</i> <ul style="list-style-type: none">• Host: Shucheng Yu	Hefei, China 2025 - present
EDUCATION	Université Sorbonne Paris Nord <i>Ph.D. in Mathematics</i> <ul style="list-style-type: none">• Supervisor: Nicolas de Saxcé• Ph.D. thesis: “Equidistribution, Siegel transforms, and counting rational approximations on flag varieties” ETH Zurich <i>B.Sc. and Master in Mathematics</i> <ul style="list-style-type: none">• Supervisor: Manfred Einsiedler• Master thesis: “Property τ via effective equidistribution of S-arithmetic orbits”• GPA: 6.00/6.00.	Paris, France 2022 - 2025 Zurich, Switzerland 2017 - 2022
AWARDS AND HONORS	<ul style="list-style-type: none">• Willi-Studer-Prize for best graduate student, ETH Zurich, Switzerland• Bocconi Scholarship, Bocconi University Milan, Italy	2023 2017
PUBLICATIONS AND PREPRINTS	<ol style="list-style-type: none">1. René Pfitscher. Integrability of Siegel transforms and an application. (<i>submitted</i>).2. René Pfitscher. Counting rational approximations on rank one flag varieties. (<i>to appear in Israel Journal of Mathematics</i>).	

TEACHING

Université Sorbonne Paris Nord, Paris, France

- Bachelor, Algebra IV, TA Spring 2025
- Master, Foundations of Algebra, TA Fall 2024
- Bachelor, Analysis for Engineers, TA Fall 2024
- Bachelor, Algebra IV, TA Spring 2024
- Bachelor, Analysis I, TA Fall 2023
- Bachelor, Algebra IV, TA Spring 2023
- Bachelor, Analysis for Computer Science, TA Spring 2023

ETH Zurich, Switzerland

- Bachelor, Analysis II, TA Spring 2022
- Master, Functional Analysis I, TA Fall 2021
- Bachelor, Algebra II, TA Spring 2021
- Bachelor, Analysis I, TA Fall 2020
- Bachelor, Analysis II, TA Spring 2020
- Bachelor, Analysis I, TA Fall 2019

TALKS, CONFERENCES, RESEARCH STAYS

Invited Conference Talks

- Diophantine Approximation, Fractal Geometry and Related topics, Université Gustave Eiffel, Paris 2024

Invited Seminar Talks

- ETH Zurich Ergodic Theory and Dynamical Systems seminar, May 2025
- Chinese Academy of Science Dynamics Colloquium, May 2025
- University of Science and Technology of China Dynamics Colloquium, April 2025
- Université Sorbonne Paris Nord Séminaire de l'équipe systèmes dynamiques, April 2025
- Aarhus Analytic Number Theory and Automorphic Forms seminar, February 2025
- Lille University Dynamics and Geometry seminar, January 2025
- Sorbonne Université Jussieu Dynamics seminar, November 2024
- ETH Zurich Graduate Geometry Colloquium, October 2023
- Université Sorbonne Paris Nord Ph.D. Colloquium, November 2022

Research Stays

- Institute of Mathematics, Chinese Academy of Sciences, Beijing, May 2025
- University of Science and Technology, Hefei, April – May 2025
- Aarhus University, February 2025