Florent Ygouf

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🎓 Google Scholar

Research Interest

Dynamical systems, ergodic theory, dynamics in moduli spaces, homogeneous dynamics, foliation dynamics, lie group actions on geometric spaces.

Experience

Université de Rennes, Maitre de conférences	Sept 2023 – present
Tel Aviv University & University of Bologna, Postodc	Sept 2019 – Aug 2023

Education

PhD	**Université Grenoble Alpes**, Mathematics	Sept 2016 – Sept 2019

- Advisor: Erwan Lanneau
- Thesis title: Dynamique isopériodique dans l'espace de modules des surfaces de translation

MS	**ENS de Lyon**, Mathematics	Sept 2014 – Aug 2016
BS	**ENS de Lyon**, Mathematics	Sept 2013 – Aug 2014

Publications

Isoperiodic Dynamics in Rank 1 Affine Invariant Orbifolds   2021
F.Ygouf
https://doi.org/10.1093/imrn/rnab153 ☒ (International Mathematics Research Notices)

A criterion for density of the isoperiodic leaves in rank one affine invariant orbifolds   2022
F.Ygouf
https://doi.org/10.1112/topo.12279 ☒ (Journal of topology)

Non arithmetic affine invariant suborbifolds in H(2,2) and H(3,1)   2023
F.Ygouf
https://doi.org/10.1007/s10711-023-00792-0 ☒ (Geometriae Dedicata)

Horocycle dynamics in rank one invariant subvarieties I: weak measure classification and equidistribution   2024
J.Chaika, B.Weiss, F.Ygouf
https://doi.org/10.1007/s10711-023-00792-0 ☒ (Israel Journal of Mathematics)

Horospherical dynamics in invariant subvarieties   2024
P.Smillie, J.Smillie, B.Weiss, F.Ygouf
https://doi.org/10.1016/j.aim.2024.109783 ☒ (Advances in Mathematics)

Scientific Visits

- SkolTech, Moscow, Russia, Fall 2020 (1 week)
- IMPA, Rio de Janeiro, Brazil, Winter 2020 (3 weeks)
- HIM, Bonn, Germany, Spring 2020 (3 months)
- Tel Aviv university, Israel, spring 2022 (1 month)

Community Service

seminar organizer   Sept 2023 – present
- I organize the weekly ergodic theory seminar ☐ of the IRMAR.
- I (co)-organized 4 semester long seminars on recent trends in dynamical systems.

organization of conferences
- Co-organizer of the international conference "Geometry & Dynamics Of Moduli Spaces" at the University of Bologna in June 2022. The conference hosted the ICM joint lecture "Horocycle Flow on the moduli space of translation surfaces".

reviewer for peer-reviewed journals
- Illinois Journal of Mathematics, Mathematische Annalen and International Mathematics Research Notices

Invited Talks

Research seminars
- Grenoble, France, Institut Fourier, 2017
- Marseille, France, I2M, 2018
- Moscou, Russie, Skoltech, 2019
- Bordeaux, France, IMB, 2019
- Rio de Janeiro, Brésil, IMPA, 2020
- Ann Arbor, USA, UMICH Online seminar, 2021
- Bologne, Italie, UNIBO, 2021
- Tel Aviv, Israël, TAU, 2022
- San Diego, USA, Online seminar, 2022
- Bordeaux, France, IMB, 2023
- Rennes, France, IRMAR, 2023
- Grenoble, France, Institut Fourier, 2023
- Nice, France, UNICE, 2023
- Marseille, France, Séminaire Rauzy, 2023
- Orsay, France, LMO, 2023
- Paris, France, IHP, 2023

International conferences
- Aussois, France, École d'hiver de dynamique, 2018
- Toulouse, France, Mini-conférence sur les surfaces plates, 2019
- Oaxaca, Mexique, Workshop on Teichmüller dynamics, 2019
- Conférence Platon en ligne, Paroles aux jeunes géomètres dynamiques, 2020
- Niteroi, Brésil, Workshop in homogeneous dynamics, 2020
- Paris, France, IHP, Group actions with Hyperbolicity and Measure Rigidity, 2024

Skills

Programming: LaTeX, Sage, basics of of Web development

Languages: French (native), English (fluent), Italian (intermediate), Hebrew (intermediate)