

Octave Lacourte

Curriculum Vitae

Institut Camille Jordan,
Univ. Claude Bernard, Lyon 1,
43 bd du 11 novembre 1918
F-69622 Villeurbanne Cedex
✉ lacourte@math.univ-lyon1.fr
🌐 <http://math.univ-lyon1.fr/lacourte/>

Education

- 2018-Present **Ph.D. Thesis**, *Invariants of some groups with dynamical origin*, Under the supervision of Yves Cornulier , ICJ Lyon (France).
- 2017-2018 **Master Degree**, *Fundamental Mathematics*, ENS Rennes and Université de Rennes 1 (France).
- 2017 **Agrégation externe de Mathématiques**, French degree for teaching.
- 2016-2017 **Master Degree**, *Teaching in mathematics*, ENS Rennes and Université de Rennes 1 (France).
- 2015-2016 **Master Degree (first year)**, *Mathematics and Applications*, ENS Rennes and Université de Rennes 1 (France).
- 2014-2015 **Bachelor in Mathematics**, ENS Rennes and Université de Rennes 1.
- 2012-2014 **Undergraduate studies to prepare for nationwide competitive examinations**, Classe Préparatoires aux Grandes Ecoles (CPGE), Lycée du Parc - Lyon (France).

Career

- 2018-Present **Teaching Assistant**, Université de Lyon 1 (France).
- January **Member of the Parity Commission of the Institut Camille Jordan**.
- 2020-Present
- Fall **PhD representative to the head of the Institut Camille Jordan**.
- 2018-Spring
2020

Publications

Abelianization for some groups of intervals exchanges, *soumis*, preprint, arXiv:2009.07595.

Let IET be the group of Interval Exchange Trnasformations and IET^{\bowtie} the group of Interval Exchange Transformations with flips. In this article we identify the abelianization of every subgroup $\text{IET}(\Gamma)$ and $\text{IET}^{\bowtie}(\Gamma)$ for every subgroup Γ of \mathbb{R} .

Signature for piecewise continuous groups, *soumis*, preprint, arXiv:2002.12851.

Construction of a group homomorphism which extends the classical signature homomorphism on the group of bijections of $[0, 1]$ which are continuous outside a finite set and its link with the Kapoudjian class.

Talks

- 27/05/20 **Workgroup Action!**, ENS Lyon (France).
Extension of the signature on some subgroups of $\mathfrak{S}([0, 1])$
- 06/03/20 **Séminaire des Doctorants et Doctorantes de l'Université d'Angers**, Angers (France).
Research for an extension for the signature

- 03/03/20 **Séminaire des Doctorants et Doctorantes de l'Université de Nantes, Nantes (France).**
 Research for an extension for the signature
- 02/03/20 **Séminaire Pampers de l'Université Rennes 1, Rennes (France).**
 Research for an extension for the signature
- 28-30/10/19 **Rencontres Doctorales Lebesgue 2019, Nantes (France).**
 Introduction to the group IET
- 11/06/19 **Workgroup Action!, ENS Lyon (France).**
 Abelianization of the group IET and some of its subgroups
- 20-24/05/19 **Colloque Inter'Actions 19, Bordeaux (France).**
 Introduction to the group IET
- 04/02/19 **Séminaire des Doctorants et Doctorantes de l'ICJ et de l'UMPA, Université Lyon 1 (France).**
 The group IET and its abelianization

Conferences attended

- 24-28/02/20 **YGGT 2020, Saint-Jacut-de-la-Mer.**
<https://yggt2020.sciencesconf.org/>
- 28-30/10/19 **Rencontres Doctorales Lebesgue 2019, Nantes.**
<https://www.lebesgue.fr/fr/content/seminars-rdl2019>
- 07-11/10/19 **Measurable, Borel, and Topological Dynamics, CIRM Marseille.**
<https://conferences.cirm-math.fr/2080.html>
- 05-10/08/19 **Young Mathematicians in C*-Algebras Conference 2019, University of Copenhagen.**
- 21-25/01/19 **Master Class "Groupes et Géometries", CIRM, Marseille.**
<https://conferences.cirm-math.fr/1920.html>
- 19-21/11/18 **Paroles aux jeunes chercheurs 2018: groupes et géométrie, Lyon.**
<https://adrienleboudec.perso.math.cnrs.fr/platon/Lyon2018.html>
- 14-18/05/18 **Colloque Inter'Actions 18, Lyon.**
<https://interactions18.sciencesconf.org/>

Teaching Experience

- Fall 2020 **Khôlles (weekly oral examinations), Mathematics 1st year**, Université Claude Bernard Lyon 1, Prépa PMI, 24hrs.
- Fall 2020 **Teaching assistant Basics in Mathematics 1st year**, Université Claude Bernard Lyon 1, 24hrs.
- Spring 2020 **Khôlles (weekly oral examinations), Mathematics 1st year**, Université Claude Bernard Lyon 1, Prépa PMI, 16hrs.
- Fall 2019 **Teaching assistant Basics in Mathematics 1st year**, Université Claude Bernard Lyon 1, 64hrs.
- Fall 2018 **Teaching assistant Basics in Mathematics 1st year**, Université Claude Bernard Lyon 1, 64hrs.

Languages

- Français native
- Anglais Fluent
- Computing SAGE, L^AT_EX