

Krzysztof SMUTEK

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languages: Polish (native), English (fluent), French (intermediate)

Education

PhD in Mathematics, University of Luxembourg	2024
Supervisor: Prof. Giovanni Peccati	
Dissertation: High-Frequency Statistics of Smooth Gaussian Random Waves	
https://hdl.handle.net/10993/63749	
Master 2 Mathématiques Appliquées et Théoriques, Université Paris-Dauphine	2019
Bachelor of Science in Mathematics, University of Warsaw	2016

Papers

Fluctuations of the Nodal Number in the Two-Energy Planar Berry Random Wave Model,
arXiv:2402.18219, accepted for publication in the Latin American Journal of Probability and
Mathematical Statistics (ALEA).

Teaching

I was a teaching assistant responsible for tutorials (90 min/week, in english) for the following courses at the University of Luxembourg:

Complex Analysis, <i>lecturer prof. Sarah Scherotzke</i> , 4th semester of BSc in Mathematics	2021, 2022
Fourier Analysis, <i>lecturer prof. David Fernández</i> , 5th semester of BSc in Physics	2021, 2022
Linear Algebra, <i>lecturer prof. Gabor Wiese</i> , 2nd semester of BSc in Mathematics	2023

Invited Talks

INdAM Workshop: Analysis and Geometry of Random Fields, Rome	2024
The L^2 Workshop in Probability and Statistics, Metz	2023

Scholarships

• Kovalevskaya Grant (unclaimed), International Congress of Mathematicians, St. Petersburg	2021
• Travel Grant, ACM Conference on Fairness, Accountability and Transparency, Barcelona	2019
• Foundation Sciences Mathématiques de Paris, Master Scholarship	2018
• Rector's Scholarship, University of Warsaw, top 7% of students	2017

Referees

Prof. Dr. Giovanni Peccati
University of Luxembourg, Luxembourg
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Prof. Dr. Anna Paola Todino
Università del Piemonte Orientale, Italy
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Prof. Dr. David Fernández
Polytechnic University of Madrid, Spain
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(concerns teaching)