

ISTVAN KADAR

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Education

PhD in Mathematics, University of Cambridge

Oct. 2020– Present

- Advisor: Claude Warnick

MMath, University of Cambridge

Oct 2016 – June 2020

- 1st class in year 1-3. Honours in final year.
- Sir Peter and Lady Gershon Prize for best Mathematics result in college.
- Anthony and Christina Kelly Prize in Materials Science and Metallurgy for the best exam in college.

Research interest

Partial Differential Equations, Nonlinear Waves equations, General Relativity

Publications

- *Small data nonlinear wave equation numerology: The role of asymptotics*. Preprint. 2023, arXiv:2302.07312
- *On global behaviour of classical effective field theories*. Preprint. 2022, arXiv:2208.09194

Invited talks

Singularities and Curvature in General Relativity, Nijmegen	June 2023
Junior Analysis Seminar, Imperial College, London	June 2023
Wave by the Thames, Kings College London	June 2023
Pre analysis seminar talk, ETH, Zurich	May 2023
Cambridge–Princeton seminar	May 2023
Interdisciplinary junior scientist workshop: Mathematical General Relativity, Wildberg	March 2023
DPMMS PDE seminar, Cambridge	Feb 2023

Research visits

ETH Zurich, invited by Peter Hintz	May 2023
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Teaching

Part III Analysis of Partial Differential Equations	Michaelmas 2022
Part III General Relativity	Michaelmas 2021-2022
Part 1a Vector Calculus	Lent 2021
Part Ib Electromagnetism	Lent 2021
Part II Principles of Quantum Mechanics	Michaelmas 2020-2021