







Jiten Kumbhakar, Ph.D.

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🌐 <http://kumbhakarjiten.github.io/>








Education

- 2017 –  **Integrated Ph.D., IISER Kolkata**, Course CGPA:8.68.
Research Area: *Control of Partial Differential Equations*.
Supervisor: Dr. Shirshendu Chowdhury
- 2014 – 2017  **B.Sc. Mathematics (88.5%), Jagannath Kishore College, Purulia, West Bengal.**
- 2012 – 2014  **Higher Secondary Science (81%), Purulia M.M. High School, West Bengal.**
- 2012  **Class 10th (80.7%), Ladhurka High School (H.S), Purulia, West Bengal.**



PrePrints

- 1 J. Kumbhakar, *Null controllability of one-dimensional linearized compressible navier-stokes system in periodic setup using one boundary control*, 2023.  DOI: 10.48550/arXiv.2301.04080.
- 2 K. Bhandari, S. Chowdhury, R. Dutta, and J. Kumbhakar, *Boundary null-controllability of 1d linearized compressible navier-stokes system by one control force*, 2022.  DOI: 10.48550/arXiv.2204.02375.



Teaching Assistant

- Autumn 2022  Mathematics I, Dr. Saugata Bandyopadhyay, IISER Kolkata.
- Spring 2022  Mathematics II, Dr. Anirban Banerjee, IISER Kolkata.
- Autumn 2021  Mathematics I, Dr. Saugata Bandyopadhyay, IISER Kolkata.
- Spring 2021  Mathematics II, Dr. Shirshendu Chowdhury, IISER Kolkata.
-  Analysis II, Dr. Sushil Gorai, IISER Kolkata.
- Spring 2020  Mathematics II, Dr. Shirshendu Chowdhury, IISER Kolkata.
- Autumn 2019  Analysis III, Dr. Shirshendu Chowdhury, IISER Kolkata.






NPTEL Live Sessions

- July- Oct, 2022  Introductory Course In Real Analysis (noc22-ma79), Prof. P. D. Srivastava, IIT Kharagpur
- Feb 2023–  Basic Linear Algebra (noc23-ma07), Prof. I. K. Rana, IIT Bombay




Other Teaching Activities

- April 2022  Research Methodology, Dr. Soumitro Banerjee, NPTEL.
- July- Dec, 2021  Class 11, Jawahar Navodaya Vidyalaya, Kalyani, Nadia, West Bengal.

Awards and Achievements

- 2020  Prime Minister Research Fellow at IISER Kolkata
- 2018  CSIR-JRF (December): Got 98th rank in the NET exam conducted by CSIR.
- 2017  JAM: Got 38th rank in the JAM exam in mathematics and got 72th rank in statistics.
-  Gold Medalist, Shakti Sadhan Basu Memorial Medal and prize.
-  Gold Medalist, Manindralal Banerjee Memorial Prize.

Workshop/ Conference

- Feb 28- Mar 04, 2023  Control Theory meets the Theory of Homogenization, IIT Bombay.
- Nov 08-18, 2021  Convex integration solutions for the transport equation, Dr. Ujjwal Koley, TIFR CAM.
- Jan 28- Feb 01, 2019  Short Course in Calculus of Variations, Prof. Bernard Dacorogna, EPFL, Switzerland.

Seminar

- Aug 05, 2021  Null and Approximate controllability of Heat equation in one dimension using the method of Flatness.
Weekly Research Seminar, Organized by Mythily Ramaswamy, TIFR-ICTS Bangalore.