



Arup Kumar Maity

Assistant Professor

Department of Mathematics

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1. About

Arup Kumar Maity is an Assistant Professor in the Department of Mathematics, School of Engineering, Dayananda Sagar University, Bengaluru. His academic work is primarily in the area of Fourier analysis and harmonic analysis.

2. Research Interests

- Fourier Analysis

3. Academic Qualifications

- Ph.D. in Mathematics — Harish-Chandra Research Institute (HRI), Prayagraj
 - M.Sc. in Mathematics — Indian Institute of Engineering Science and Technology (IIST), Shibpur, 2016
 - B.Sc. in Mathematics Vidyasagar University, 2014
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4. Professional Experience

- Assistant Professor — Department of Mathematics, School of Engineering, Dayananda Sagar University, Bengaluru — July 2026 to Present
- Post-Doctoral Research Fellow — National Institute of Science Education and Research (NISER), Bhubaneswar — Nov. 2025 to Mar. 2026
- Temporary Faculty — National Institute of Technology (NIT) Sikkim — May 2023 to May 2024

5. Research Highlights

- Publications: 6 publications

6. Selected Publications

1. S. Debnath, A. K. Maity, **SOME RESULTS ON (p,q) -FOURIER MULTIPLIERS**, Proc. Indian Acad. Sci. Math. Sci. (to appear).
2. A. K. Maity, **YOUNG'S INEQUALITY FOR ORTHONORMAL SYSTEMS**, J. Appl. Anal. 32(2026), no. 1, 123-128.
3. A. K. Maity, P. K. Ratnakumar, **FOURIER MULTIPLIERS VIA TWISTED CONVOLUTION**, Proc. Amer. Math. Soc. 153 (2025), no. 3, 1145–1154.
4. A. K. Maity, P. K. Ratnakumar, **WEYL MULTIPLERS FOR (L^p, L^∞)** , Monatsh. Math. 205(2024), no. 1, 187-198.
5. A. K. Maity, S. S. Mondal, **A NOTE ON SINGULAR INTEGRAL**, Analysis (Berlin), 43(2023), no. 3, 209-213.
6. A. K. Maity, P. K. Ratnakumar, **ON $L^p \rightarrow L^\infty$ BOUNDEDNESS OF THE TWISTED CONVOLUTION OPERATORS**, J. Anal. 31(2023), no. 2, 945-950.

7. Academic Profiles

Google Scholar: <https://scholar.google.com/citations?user=q00OejIAAAAJ&hl=en>

ORCID: <https://orcid.org/0000-0002-9035-2477>

Scopus: <https://www.scopus.com/pages/authors/57386514300>

ResearchGate: https://www.researchgate.net/profile/Arup_Maity2

8. Contact

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