Stanford

Eugenia Malinnikova

Professor of Mathematics

Bio

ACADEMIC APPOINTMENTS

- Professor, Mathematics

Teaching

COURSES

2026-27

- Modern Mathematics: Continuous Methods: MATH 61CM (Aut)
- Polya Problem Solving Seminar: MATH 193 (Aut)
- Polya Problem Solving Seminar: MATH 193X (Aut)
- Real Analysis: MATH 205B (Win)

2024-25

- Modern Mathematics: Continuous Methods: MATH 61CM (Aut)
- Partial Differential Equations: MATH 256A (Win)
- Theory of Partial Differential Equations: MATH 173 (Win)

2023-24

- Elementary Functional Analysis: MATH 175 (Win)
- Linear Algebra and Matrix Theory: MATH 113 (Spr)
- Topics in Partial Differential Equations: MATH 272 (Win)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Romain Speciel

Doctoral Dissertation Advisor (AC)

Stanislav Krymskii

Doctoral (Program)

Torgeir Keun Lysen

Publications

PUBLICATIONS

- **Local Bernstein inequalities for eigenfunctions** *ADVANCES IN MATHEMATICS*
  Decio, S., Malinnikova, E.

2025; 482

- **Hardy's uncertainty principle for Schrödinger equations with quadratic Hamiltonians** *JOURNAL OF THE LONDON MATHEMATICAL SOCIETY-SECOND SERIES*
  Cordero, E., Giacchi, G., Malinnikova, E.
  2025; 111 (4)
- **LOCAL VERSION OF COURANT'S NODAL DOMAIN THEOREM** *JOURNAL OF DIFFERENTIAL GEOMETRY*
  Chanillo, S., Logunov, A., Malinnikova, E., Mangoubi, D.
  2024; 126 (1): 49-63
- **A DISCRETE HARMONIC FUNCTION BOUNDED ON A LARGE PORTION OF Z(2) IS CONSTANT** *DUKE MATHEMATICAL JOURNAL*
  Buhovsky, L., Logunov, A., Malinnikova, E., Sodin, M.
  2022; 171 (6): 1349-1378
- **DYNAMICAL VERSIONS OF HARDY'S UNCERTAINTY PRINCIPLE: A SURVEY** *BULLETIN OF THE AMERICAN MATHEMATICAL SOCIETY*
  Fernandez-Bertolin, A., Malinnikova, E.
  2021; 58 (3): 357-375
- **Zeros of the Wigner distribution and the short-time Fourier transform** *REVISTA MATEMATICA COMPLUTENSE*
  Groechenig, K., Jaming, P., Malinnikova, E.
  2019