

Yunlei Wang

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Born: April 23, 1993—Lu'an, Anhui province, China

Nationality: China

Education

- 2019- MSc in Mathematics, School of Mathematics and Physics, China University of Geosciences (CUG), expected by July 2022
(advisor: Prof. Ming Wang)
GPA: 3.87/4
- 2015, fall Exchange students in Department of Physics, Fudan University
- 2012-2016 BSc in Applied Physics, School of Science, Harbin Institute of Technology (HIT)
Thesis: *Calculations of Two Decay Processes $J/\psi \rightarrow \mu^+\mu^-\gamma$ and $J/\psi \rightarrow (\mu^+\mu^-)_{BS}\gamma$*
(advisor: Prof. Tianpeng Wang)
GPA: 3.74/4 (rank 1/30)

Research interests & experiences

My primary interests lie in harmonic analysis, especially the uncertainty principle and its applications in quantitative unique continuation.

Now my interests have been transformed into symplectic topology. Due to the lack of courses relevant to algebra and geometry in school, I learned some basic knowledge through books and video lectures online, most of them were taken notes and some were in latex form. In case anyone is interested in my learning road, I wrote some details in <https://rieunity.github.io/about/>.

Although I lack the systematic training in algebra and geometry, I'm full of passion to studying it and eager to obtain a relevant PhD position.

Activities & competitions

- 2015.7 Summer Camp of Theoretical Physics, Peiking University
- 2014.3 The Chinese Mathematics Competitions (CMC), the third prize in the final
- 2012.7 Physics Enlightenment Summer School of National Top Students, Nanjing University

Teaching assistance

2019 Fall, Real Analysis, China University of Geosciences.

2020 Spring, Functional Analysis, China University of Geosciences.

Publications

- [1] Yunlei Wang, Ming Wang, Observability inequality at two time points for the KdV equation from measurable sets, *J. Math. Anal. Appl.* 505(2) (2022).