

# DONG-JUNE CHOI

choi.1702@osu.edu

231 West 18th Avenue, Columbus, OH, United States

+1 (614) 292 5334

## EDUCATION

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### Ph.D. Candidate, Mathematics

The Ohio State University, OH, USA

2021 - Present

Advisor: Kenneth D. Koenig

### B.S. Mathematics

Pohang University of Science and Technology (POSTECH)

2020

Pohang, South Korea

- Leave of absence for military service (2017-2019)

## RESEARCH INTERESTS

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Several complex variables, Harmonic analysis, Nonsmooth domains

## PUBLICATION

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- (with K. D. Koenig) *Sharp  $L^p$  regularity of the Szegő projection on the Hartogs triangle* (submitted)

## PRESENTATIONS

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- *Sharp  $L^p$  regularity of the Szegő projection on the Hartogs triangle*

Invited talk, International Conference for the 80th Anniversary of the Korean Mathematical Society

24th Jun. 2026

Invited talk, Harmonic analysis and several complex variables seminar at the Ohio State University

3rd Mar. 2026

Invited talk, Special Session on New Developments in Several Complex Variables and CR Geometry at Joint Mathematics Meetings of American mathematical society

4th Jan. 2026

Poster session, Recent Advances in Harmonic Analysis and PDEs (Celebrating Marius Mitrea's career) at Baylor University

21st May 2025

Poster session, Midwest Several Complex Variables Conference (in Honor of Harold P. Boas and Emil J. Straube) at Texas A&M University

17th May 2025

- Other presentations

*The Language of Data: Vectors and Matrices*, Special lecture on linear algebra at Chung-Ang University

28th May 2026

*Linear Algebra: Why, Where, and How*, Special lecture on linear algebra at Chung-Ang University

11th Jun 2025

*What is a Besicovitch Set?*, What is ...? Seminar at the Ohio State University

8th Jul 2021

## HONORS, AWARDS, AND SCHOLARSHIPS

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### Graduate Student Travel Grants to 2026 JMM

2026

The American Mathematical Society

### Special Graduate Assignment

Spring 2025

The Ohio State University Math department

- Annual competition for research fellowship

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <b>Silver Medal - Korean National Collegiate Mathematical Competition</b><br>Korean Mathematical Society                                                    | 2018        |
| <b>Excellent Student Teaching Assistant</b><br>POSTECH Math department<br>- Award for academic excellence and teaching ability for one student per semester | 2016        |
| <b>The National Scholarship for Science and Engineering</b><br>Korea Student Aid Foundation<br>- Competitive national scholarship for first-year students   | 2013 - 2017 |

## TEACHING

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| <b>Graduate Teaching Associate</b><br>The Ohio State University                                                                                                                                                                                                                                                                                                                | Columbus, OH<br>2021-Present |
| <ul style="list-style-type: none"> <li>- (Autumn 2025) Math 2177: Mathematical Topics for Engineers</li> <li>- (Autumn 2024) Math 1156: Calculus for the Biological Sciences</li> <li>- (Autumn 2023) Math 1156: Calculus for the Biological Sciences</li> <li>- (Autumn 2022) Math 1172: Engineering Math A</li> <li>- (Spring 2022) Math 1172: Engineering Math A</li> </ul> |                              |
| <b>Excellent Student Teaching Assistant</b><br>Pohang University of Science and Technology                                                                                                                                                                                                                                                                                     | Pohang, South Korea<br>2016  |
| <ul style="list-style-type: none"> <li>- (Spring 2016) Math 110: Calculus</li> </ul>                                                                                                                                                                                                                                                                                           |                              |