

# Robert Ireland

PHD STUDENT · UNIVERSITY OF NEBRASKA, LINCOLN

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## Education

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### University of Nebraska, Lincoln

PHD STUDENT IN MATHEMATICS

- Advisor: Eloísa Grifo

*Lincoln, Nebraska*

*2022 - present*

### University of Nebraska, Lincoln

M.S. IN MATHEMATICS

*Lincoln, Nebraska*

*2022-2023*

### St. Olaf College

B.A. IN MATHEMATICS

*Northfield, Minnesota*

*2018-2022*

## Research Interests

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I am interested in commutative algebra, homological algebra, and the interplay between them.

## Publications

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PUBLISHED

Grant B., **Ireland, R**, Koenig E., Wood A. (2023). "Structural properties of group power digraphs". *Involve, a Journal of Mathematics*, Vol. 16, No. 5, pp. 809-832.

## Teaching Experience

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- Summer 2024 **MATH 106 - Calculus I**, Instructor
- Spring 2024 **MATH 100A - Intermediate Algebra**, Instructor
- Fall 2023 **MATH 101 - College Algebra**, Instructor
- Spring 2023 **MATH 107 - Calculus II**, Teaching Assistant
- Fall 2022 **MATH 107 - Calculus II**, Teaching Assistant

## Service & Outreach

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- Fall 2023 - *University of Nebraska, Lincoln*
- Spring 2024 **Graduate Student Seminar**, Co-organizer
- Co-organized a weekly seminar where graduate students give presentations on mathematical topics, across various subfields, for their fellow graduate students.
- Fall 2022 *University of Nebraska, Lincoln*
- & Fall 2023 **Great Plains Alliance**, Supporting student
- Accompanied fellow graduate students to smaller universities near Lincoln. Students give mathematics talks for undergraduates and answer questions about graduate student life.