Michael Morrow

Department of Mathematics, University of Kentucky
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EDUCATION

University of Kentucky (Mathematics Ph.D. Program)
August 2019 - Present
Research focus: Computational Commutative Algebra
Advisor: Uwe Nagel (website: http://www.ms.uky.edu/~uwenagel/)

Central Washington University (B.S. Mathematics)
June 2017 - June 2019

Everett Community College
September 2015 - June 2017

ACADEMIC FIELD EXPERIENCE

University of Kentucky Graduate Teaching Assistant
August 2019 - Present

Kittitas Valley Math Circle
September 2017 - June 2019
Explored mathematical problem solving with students, teachers and parents

Math Tutor (Everett Community College)
2016-2017 School Year
Tutored college students in Calculus 1-4 and Linear Algebra

UK Julia Robinson Math Festival 2019

ACADEMIC AWARDS

Eaves Fellowship Summer 2022

Dale and Mary Jo Comstock Scholarship 2019

CONFERENCES ATTENDED

Macaulay2 Conference
Cleveland State University, May 2022

WARTHOG
University of Oregon, June 2022
Infinite-dimensional methods in commutative algebra

PRESENTATIONS

Mt. Stuart Math Seminar
"Perfect Subsets of the Unit Interval: Some Surprising Results about the Real Numbers"
Central Washington University, April 2019
See https://michaelmorrow.org/files/chipset_pres.pdf

Master's Presentation
"Equivariant Gröbner Bases"
University of Kentucky, April 2021
See https://michaelmorrow.org/files/masters_pres.pdf

Qualifying Exam
"Finite Computation of Gröbner Bases for OI-Modules"
University of Kentucky, December 2021
See https://michaelmorrow.org/files/qual_pres.pdf

TEACHING - UNIVERSITY OF KENTUCKY

As recitation leader:

- MA109 College Algebra
- MA110 Algebra and Trig for Calculus
- MA123 Elementary Calculus
- MA137 Calc for Life Sciences
- MA162 Finite Math
- MA213 Calculus III
- MA114 Calculus II

MISCELLANEOUS

OIGroebnerBases.m2
Summer 2022
A Macaulay2 package for computation in OI-modules over Noetherian polynomial OI-algebras
See https://github.com/morrowmh/OIGroebnerBases