

Matthew Plante

Curriculum Vitae

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Education

- 2015 **M.A. in Mathematics**, *Central Michigan University*, Mount Pleasant, MI
- 2012 **B.S. in Mathematics**, *Grand Valley State University*, Allendale, MI
- 2010 **A.S. in Mathematics**, *Alpena Community College*, Alpena, MI

Experience

- 08/2014–05/2016 **Graduate Assistant**, *Central Michigan University*, Mount Pleasant, MI
- 08/2016–present **Graduate Assistant**, *University of Connecticut*, Storrs, CT

Courses Taught

- 08/2014–05/2016 *Central Michigan University*
 - MTH 105 — Intermediate Algebra (three sections)
 - MTH 107 — College Algebra (three sections)
- 08/2016–present *University of Connecticut*
 - Math 1131D — Calculus I Discussion (six sections)
 - Math 1030 — Elementary Discrete Math (two sections)
 - Math 1060 — Precalculus (two sections)
 - Math 1020 — Problem Solving (two sections)
 - Math 2210 — Linear Algebra (three sections online)
 - Math 2410 — Elementary Differential Equations (six sections online)

Tutoring Experience

- 08/2010–05/2012 *Alpena Community College* (Tutor)
- 08/2014–05/2016 *Central Michigan University* (Tutor)
- 08/2019–05/2020 *University of Connecticut* (Supervisor)

Scholarly Work

Counting Anosov graphs, *Ars Combin.* 141 (2018), 29-51, joint with M. Mainkar and B. Salisbury

(Also Available at [arXiv:1509.03571](https://arxiv.org/abs/1509.03571))

Rowmotion on fences, *preprint*, joint with S. Elizalde, T. Roby, and B. Sagan

(Available at [arXiv:2108.12443](https://arxiv.org/abs/2108.12443))

Talks, Posters, and Presentations

- Fall 2021 *Periodicity and Homomesy for Whirling Proper 3-Colorings of a Graph*, BIRS - dac (Hybrid Workshop) (21w5514).

- Fall 2021 *Periodicity and Homomesy for Rowmotion on Certain Posets*, Algebra Seminar, University of Connecticut, Storrs, CT.
- Fall 2020 *Periodicity and Homomesy for the $Vx[n]$ Poset and Center-Seeking Snakes*, BIRS - dac (Online Workshop) (20w5164).
- Summer 2020 *Toggleing Independent Sets of a Complete Graph Cross a Chain*, Oral Examination, University of Connecticut, Storrs, CT.
- Spring 2018 *Some Explicit Examples of Homomesy*, Graduate Student Seminar, Central Michigan University, Mount Pleasant, MI.
- Spring 2016 *A Brief Look at Mastermind Solving Algorithms*, Graduate Student Seminar, Central Michigan University, Mount Pleasant, MI.
- Spring 2015 *Counting Anosov Graphs*, Master's Thesis Oral Defense, Central Michigan University, Mount Pleasant, MI.
- Spring 2012 *A Weak Order on Ordered Set Partitions*, Michigan Chapter of the MAA and MichMATYC 88th Annual Meeting, Saginaw Valley State University, Saginaw, MI.

Professional Membership

American Mathematical Society

Computer Skills

Operating Systems Mac OS X, Ubuntu Linux, Windows
 Applications \LaTeX , SAGEMATH, MS Excel, MS Word, Maple, SAS, R
 Languages UNIX, Python, C++, MS Visual Basic, TI-Basic