Robert P. Laudone

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🖥 *https://robertplaudone.github.io*

▬▬▬ Education

2015–2020	**Ph.D. Mathematics**, *University of Wisconsin-Madison*.
	Advisor(s): Steven Sam, Daniel Erman
2011–2015	**B.S. Mathematics**, *Boston College*, Summa Cum Laude.

▬▬▬ Appointments

2020-Present	**NSF Postdoctoral Assistant Professor and Research Fellow**, *University of Michigan*.
	Mentor: Andrew Snowden

▬▬▬ Awards, Grants, Honors

2020-2023	**NSF Postdoctoral Research Fellowship**, *National Science Foundation*.
2019	**Excellence in Research Prize**, *UW Madison*.
2019	**Letters and Science Teaching Fellowship**, *UW Madison*.
2018	**Departmental Mid-Career TA Award**, *UW Madison*.
2017-2020	**Research Training Grant Fellowship**, *(4 summers and 4 semesters)*.
2016	**Honored Instructor Teaching Award**, *UW Madison*.
2015	**Paul J. Sally Jr. Distinguished Alumnus in Mathematics**, *Boston College*.
2015	**Graduation with Mathematics Honors**, *Boston College*.
2015	**MAA Student Travel Grant**.
2014	**Phi Beta Kappa**.
2014	**Pi Mu Epsilon**.

▬▬▬ Papers

7. **An infinite antichain in a Gröbner approach to noetherianity of $\mathbf{Sym}(\mathbf{Sym}^2(\mathbf{C}^\infty))$**
   In preparation.

6. **Syzygies of $\mathbf{P}^1 \times \mathbf{P}^1$: data and conjectures**
   Juliette Bruce, Daniel Corey, Daniel Erman, Steve Goldstein, Robert P. Laudone, Jay Yang
   arXiv

5. **Equivariant primes ideals for infinite dimensional supergroups**
   Robert P. Laudone, Andrew Snowden
   arXiv

4. **Representation Stability for Sequences of 0-Hecke Modules**
   Robert P. Laudone
   Algebraic Comb., To appear.
   arXiv

3. **Computing Schur complexes**
   Michael K. Brown, Hang Huang, Robert P. Laudone, Michael Perlman, Claudíu Raicu,
   Steven V Sam, João Pedro Santos
   J. Softw. Alg. Geom., **9** (2019), 111–119.
   arXiv | Journal

2. **Syzygies of secant ideals of Plücker embedded Grassmannians are generated in bounded degree**
   Robert P. Laudone
   Submitted
   arXiv

1. **The spin-Brauer diagram algebra**
   Robert P. Laudone
   Journal of Algebraic Comb., **50** (2019), no. 2, 191–224.
   arXiv | Journal

▬▬ Talks

11. University of Michigan, Talks About Progress in Representation Stability, December 2020, Video.
10. University of Wisconsin-Madison, Algebraic Geometry Seminar, October 2019
9. University of Utah, Commutative algebra seminar, October 2019
8. University of Utah, Algebra student seminar, October 2019
7. University of California San Diego, Combinatorics Seminar, May 2019
6. University of Nebraska-Lincoln, KUMUNUJr, April 2019
5. University of Wisconsin-Madison, Combinatorics Seminar, March 2018
4. DePaul University, Algebra Seminar, November 2017
3. University of Wisconsin-Madison, Algebraic Geometry Seminar, March 2017
2. Brown University, Brown SUMS Conference, Primary Speaker, March 2015
1. Joint Mathematics Meetings, San Antonio, January 2015

▬▬ Teaching Experience

Instructor
2015-2020

- Courses Taught: Calculus 1 and 2
- Selected as a TA coordinator in Spring 2016 (overseeing first-year TAs)
- Guest lecture in Calculus 2 in Fall 2017, Reference: Daniel Erman
- Selected for TA training program, 2016
- Average student evaulation score: 4.85/5.00
- 94% of students, across all sections, agreed that "Instructor's teaching is truly outstanding"

Other Outreach

Directed Reading Program Mentor
2016-2018
- 2016: Graph theory and combinatorics
- 2017: Representation theory of the symmetric group
- 2018: Symmetric functions

Workshop Organizer
- International TA training program at UW-Madison, Summer 2016-2017, 2019
- Letters and Sciences TA training at UW-Madison, Summer 2019