

# Robert P. Laudone

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## 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.

## Awards, Grants, Honors

- 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

4. **Representation Stability for Sequences of 0-Hecke Modules**  
Robert P. Laudone  
Submitted  
[arXiv:1910.07036](https://arxiv.org/abs/1910.07036)
3. **Computing Schur complexes**  
Michael K. Brown, Hang Huang, Robert P. Laudone, Michael Perlman, Claudiu Raicu, Steven V Sam, João Pedro Santos  
J. Softw. Alg. Geom., To appear.  
[arXiv:1812.00790](https://arxiv.org/abs/1812.00790)
2. **Syzygies of secant ideals of Plücker embedded Grassmannians are generated in bounded degree**  
Robert P. Laudone  
Submitted  
[arXiv:1803.04259](https://arxiv.org/abs/1803.04259)

## 1. **The spin-Brauer diagram algebra**

Robert P. Laudone

Journal of Algebraic Comb., To appear.

[arXiv:1704.00111](#)

## ———— Talks

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 evaluation 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