

Christopher J.R. Lloyd

CONTACT INFORMATION

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EDUCATION

University of Virginia

Ph.D. in Mathematics, Expected Spring 2021

M.S. in Mathematics, Spring 2018

University of Mary Washington

B.S. in Mathematics, *Summa Cum Laude*, Spring 2016

- Honors in Mathematics
- Minor in Computer Science
- Class rank: 1/999

PREPRINTS

N. J. Kuhn and C. J. R. Lloyd, *Chromatic fixed point theory and the balmer spectrum for extraspecial 2-groups*, 2020. [arXiv:2008.00330](https://arxiv.org/abs/2008.00330)

WORK TO APPEAR

N. J. Kuhn and C. J. R. Lloyd, *New results about the equivariant stable homotopy Balmer spectrum*, Oberwolfach Reports 16 (2019).

CONFERENCE TALKS

Chromatic fixed point theory, and the Balmer spectrum of D_8 -equivariant stable homotopy, AMS, Special Session on Homotopy Theory, University of Virginia. (March 2020)
This conference was canceled due to COVID-19.

The Ko-Lee key exchange protocol with generalized dihedral groups, MAA, Montgomery College, Maryland. (April 2016)

Non-commutative key exchange protocols with generalized dihedral groups, MAA, St. Mary's College, Maryland. (November 2015)

OTHER TALKS

Constructing complexes realizing chromatic type functions, Topology Seminar, University of Virginia, Virginia. (Fall 2019)

Geometric fixed points of D_8 -spectra and their type, Graduate Student Seminar, University of Virginia, Virginia. (Fall 2019)

Solving equations over solvable non-nilpotent groups, Summer Science Symposium, University of Mary Washington, Virginia. (August 2015)

TEACHING EXPERIENCE

University of Virginia

- Fall 2019 Instructor of record for an uncoordinated section of Math 1140 — Financial Mathematics
- Fall 2018 Instructor of record for an uncoordinated section of Math 1140 — Financial Mathematics
- Spring 2018 Instructor of record for one section of Math 1220 — A Survey of Calculus II
- Fall 2017 Instructor on record for one section of Math 1210 — A Survey of Calculus I
- Spring 2017 Teaching Assistant for two sections of Math 3250 — Ordinary Differential Equations
- Fall 2016 Teaching Assistant for two sections of Math 3250 — Ordinary Differential Equations

University of Mary Washington

- Spring 2016 Teaching Assistant for Math 201 — Introduction to Discrete Mathematics

PROFESSIONAL ACTIVITIES

- 2018–2020 Directed Reading Program
- Committee Chair
 - Mentor
 - Webmaster
- Fall 2020 Teaching mentor for a first time calculus instructor
- Summer 2020 Mentor for the University of Virginia Topology and Geometry REU

HONORS AND AWARDS

- Spring 2016 Colgate W. Darden Jr. Award
University of Mary Washington
- Spring 2016 Oscar Schultz Award
Mathematics Department, University of Mary Washington
- Spring 2016 Third Place Best Undergraduate Talk
MD-DC-VA section meeting of the MAA, Montgomery College, Maryland
- 2014–2015 Ralph A. Niemann Scholarship
Computer Science Department, University of Mary Washington
- Summer 2014 Award for contributions to U.S. Customs and Border Protection,
Freedom of Information Act Division
- 2013–2014 Alumni Scholarship
Computer Science Department, University of Mary Washington

MEMBERSHIP

- Fall 2016 American Mathematical Society
- Spring 2016 Member of Phi Beta Kappa
- Spring 2015 Member of Pi Mu Epsilon

WORK EXPERIENCE

- Summer 2015 Summer Science Research Position,
University of Mary Washington
- 2014–2016 Computer Science Lab Aide,
University of Mary Washington
- Summer 2014 Pathways Intern at the Department of Homeland Security (GS-03)