CONNOR CASSADY

The University of Pennsylvania
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EDUCATION

The University of Pennsylvania — Philadelphia, PA
Ph.D., Mathematics — Aug 2018 – Present

The Pennsylvania State University — University Park, PA
B.S., Summa Cum Laude, With Honors in Mathematics — Aug 2014 – May 2018
Member of the *Millennium Scholars Program*

PAPERS AND PREPRINTS

1. Hasse principles for quadratic forms over function fields. 16 pages, 2022, submitted.
Available at arXiv:2204.06368.

AWARDS AND HONORS

Good Teaching Award, Penn Mathematics Department - Calculus I	Spring 2021
Good Teaching Award, Penn Mathematics Department - Introduction to Calculus	Fall 2020
Good Teaching Award, Penn Mathematics Department - Calculus I	Fall 2019
Student Marshal for the Department of Mathematics (PSU)	May 2018
Graduation with Distinction - Mathematics Advanced Study Semesters (PSU)	December 2016

TEACHING

The University of Pennsylvania — Philadelphia, PA

Instructor, MATH 103 Introduction to Calculus	Summer 2021
Teaching Assistant, MATH 104 Calculus I	Spring 2021
Teaching Assistant, MATH 103 Introduction to Calculus	Fall 2020
Teaching Assistant, MATH 170 Ideas in Mathematics	Spring 2020
Teaching Assistant, MATH 104E Calculus I for Engineers	Fall 2019

The Pennsylvania State University — University Park, PA

Learning Assistant, Introduction to Real Analysis	Summer 2017
Tutor, Calculus II	Spring 2017

DEPARTMENTAL SERVICE

University of Pennsylvania, Department of Mathematics — Philadelphia, PA
Master TA — 2021 - Present
Helped to organize and conduct the annual TA training as well as in-class observations for first time TAs.

RESEARCH TALKS

Graduate Student Conference in Algebra, Geometry, and Topology, Temple University — May 2022
Hasse principles for quadratic forms over function fields.
Algebra Seminar, UPenn — April 2022
Hasse principles for quadratic forms over function fields.

EXPERIENCE

Summer Research — University Park, PA
With Dr. Nate Brown, investigated STEM faculty perceptions of diversity and diversity initiatives at universities in the United States — Summer 2017

Penn State Applied Mathematics REU — University Park, PA
Applied game theory to fishery and forestry management, supervised by Dr.'s Alberto Bressan and Tim Reluga — Summer 2016

William G. Pritchard Fluid Mechanics Laboratory — Univeristy Park, PA
Modeled dissipative wave behavior, supervised by Dr. Diane Henderson — Spring 2015

CONFERENCES AND WORKSHOPS

Graduate Student Conference in Algebra, Geometry, and Topology, Temple University	May 2022
ALGAR 2021: Systems of quadratic forms over arithmetic fields	August 2021
Swinnerton-Dyer Memorial Conference	May 2021
Joint Mathematics Meeting	January 2021
ALGAR 2020: Valuations, quadratic forms, and definability	July 2020
Chicago Number Theory Day	June 2020
Connecticut Summer School in Number Theory	June 2020
Marvelous Algebraic Geometry Unraveled by Students	May 2020
Front Range Number Theory Day	Apr 2020
Graduate Student Conference in Algebra, Geometry, and Topology, Temple University	June 2019