

Curriculum Vitae

STEPHEN LOVETT

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Education

- Northeastern University, Ph.D. in Mathematics, Dissertation title: *The algebraic geometry of orbits of symmetric quiver representations*, 2000-2003
- Northeastern University, M.S. 1998-2000
- Brown University, B.S. 1991-1995

Teaching Positions

Northeastern University, 1998-2002

Courses:

- *Applications of Algebra*
- *Calculus I - IV*
- *Calculus IV, Honors*
- *Differential Equations for Engineers*
- *Discrete Mathematics*
- *Chaos & Fractals*
- *Excel Program for Women in Engineering*

Awards

- Outstanding Graduate Instructor of Record, Northeastern University, 2001

Research Interests

- Algebraic Geometry, Commutative Algebra, Representation Theory
- Degeneracy Loci of “Quiver Cycles”
- Schubert Calculus

Dissertation Topics

- Algebraic Geometry of Orbits of Quiver Representations
- Theory of Symplectic and Orthogonal Representations of Symmetric Quivers
- Symplectic and Orthogonal Analogues of Determinantal Ideals

Professional Talks

- *Symplectic and Orthogonal Analogues of Determinantal Ideals*, AMS Special Session in Eastern Region Conference, 2002.
- *Orbits of Symmetric Quiver Representations*, Northeastern University, 2001.
- *Algebra of Discrete Dynamical Systems*, Eastern Nazarene College, 2001.

Other Work Experience

- 1999-2002, Tutor for the Northeastern University Disabilities Resource Center
- 1995-1998, Hewlett-Packard, Senior Regulatory Specialist in export administration
- 1994, Department of Defense, Director's Summer Program
- 1992-1993, Brown University, Development of interactive hypertext mathematics e-books: Differential Geometry, Multivariable Calculus

Memberships

- American Mathematical Society
- Mathematical Association of America
- Phi Beta Kappa (1994)
- Sigma Xi (1995)
- Phi Kappa Phi (2000)