Curriculum Vitae

James A. Seibert

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EDUCATION

Ph.D.	Mathematics (Algebraic Geometry), Colorado State University, 1999
	Dissertation: *On the Dimension of Planar Linear Systems.*
	Advisor: Rick Miranda.
M.S.	Mathematics, Colorado State University, 1995.
	Paper: *An Investigation of Binary Quadratic Forms.*
B.A.	Mathematics (minors in Physics and Philosophy),
	Linfield College, 1991 (McMinnville, OR)

TEACHING EXPERIENCE

Fall 2001 - Spring 2007: Assistant Professor - Regis University
Fall 2007 - Spring 2013: Associate Professor - Regis University
Fall 2013 - present: Professor - Regis University

- Mathematics Courses Taught: Calculus I, II, and III, Contemporary Mathematics (liberal arts mathematics), Introduction to Statistics, Statistics for the Life Sciences, Business Calculus, Discrete Mathematics, Linear Algebra, Numerical Methods, Operations Research, Applied Combinatorics, Cryptography, Modern Geometry, Abstract Algebra I and II, Mathematical Statistics I and II, Complex Analysis, Real Analysis, Differential Equations, Financial Mathematics, History and Foundations of Mathematics.
  Numerous independent study research projects and special topics courses.
- Other Courses Taught: Freshman Writing Seminar/Writing Analytically, Math Learning Strategies.

Fall 1999 - Spring 2001: Visiting Assistant Professor - Willamette University

Fall 1993 - Summer 1999: Graduate Teaching Assistant - Colorado State University

PROFESSIONAL EXPERIENCE

- **Professional Organizations:** Member of the American Mathematical Society (AMS) and the Mathematical Association of America (MAA).
- **Talks and Writings:**
  - *Sandpile Groups for Series and Parallel Combinations of Graphs* 2023 meeting, MAA Rocky Mountain Section.
  - Seibert, James and Dolor, Jason. *Brase and Brase Understanding Basic Statistics,9th ed.* Cengage Learning, 2023.
  - Seibert, James and Dolor, Jason. *Brase and Brase Understandable Statistics, Concepts and Methods 13th ed.* Cengage Learning, 2022.
  - *On the sandpile group of Eulerian series-parallel graphs*, by Kyle Weishaar (undergraduate) and James Seibert. Involve, a Journal of Mathematics 13-3 (2020), 381–398. DOI 10.2140/involve.2020.13.381
  - *Polynomial Interpolation*, 2018 meeting, MAA Rocky Mountail Section.
  - *Sandpile Groups for Undergraduates*, 2008 meeting, MAA Rocky Mountain Section.
  - *Poncelet's Closure Theorem*, 2005 meeting, MAA Rocky Mountain Section.
  - *Reed-Solomon Codes and Compact Discs: How Abstract Algebra Helps You Hear the Flaming Lips*, 2003 meeting, MAA Rocky Mountain Section.
  - *Blowing Up the Projective Plane*, Willamette Mathematics Seminar, Fall 2000.
  - *Cremona Transformations of* $\mathbb{P}^2$, CSU Algebra Seminar, Spring 1998.
  - Computational Algebraic Geometry Seminar (organizer), Spring 2000; Willamette.
  - *The Dimension of Quasi Homogeneous Linear Systems with Multiplicity Four*, Communications in Algebra, volume 29, number 3, 2001, pages 1111-1130.
  - Co-author of six Instructor and Student's Solutions Manuals for various Smith-Minton Calculus texts (McGraw-Hill, 2006)
- **Professional Development:**
  - Regular participation in Rocky Mountain Section meetings of the MAA (2002-present), Pike's Peak Regional Undergraduate Mathematics Conference (2006-present), and occasional attendance at Joint Meetings of the AMS/MAA (2002, 2004, 2005, 2007, 2020, and 2022) and MAA's MathFest (2009, 2018).
  - Earned a teaching certificate from the US Go Association at the US Go Congress in 2024. Competed in the US Open Go Tournament and won the 15-11 kyu section with a record of 5 wins and 1 loss.
  - Funded participant in the 2024 COMAT Open Educational Resources Workshop, and attendee of the 2024 Colorado Open Educational Resources Conference.
  - Mini-Course: Leading a Successful Program Review, MathFest (2018).
  - NSF Funded Participant: Park City Mathematics Institute on Geometric Combinatorics (2004).
  - Participant: Western Algebraic Geometry Seminar, Colorado State University, (2004).

- **Service:**
  - Faculty Athletic Representative (2009-present)
  - First-Year Summer Advising Group (2005-present)
  - Regis University Academic Council (Fall 2022-Spring 2025)
  - Department Senate Representative (Fall 2017-Spring 2020)
  - Regis College Core Curriculum Committee (Fall 2017-Spring 2019)
  - University's Dual Degree Engineering Liaison (2002-2017)
  - Chair, Department of Mathematics (Fall 2008-Spring 2014)
  - Chair, Department of Physics and Computational Science (Fall 2010-Spring 2014)
  - Student Life Committee (2009-2014)
  - Strategic Planning Computer and Information Science Solution Group (Summer 2013)
  - Academic Planning and Policy Council (2005-2007)
  - Department's MAA Liaison (2001-2006)
  - Teaching Scholarship and Service Committee (2003-2005)
  - AAUP Executive Committee (2002-2005)

- **Student Activities**
  - Received a 2005 SPARC grant for undergraduate research project on the mathematics of face recognition that resulted in three student conference presentations and an article published in a refereed online journal:

    Anthony Giordano and Michael Uhrig. *Human Face Recognition Technology Using the Karhunen-Lóeve Expansion Technique.* Rose-Hulman Undergraduate Mathematics Journal, Vol. 7, Issue 1 (2006).
  - Sponsor for many student talks and poster presentations at regional conferences.
  - Advisor or Reader for countless Honors Theses.
  - Sponsored student poster presentation at Joint AMS/MAA Meeting in New Orleans, 2007.
  - Successfully recommended numerous students for participation in REU programs (Research Experience for Undergraduates) and the Park City Mathematics Institute.
  - I coordinate the Regis University Putnam Examination team (which regularly earns non-trivial scores) and sometimes the COMAP Mathematical Modeling team (with several Honorable Mentions and two Meritorious rankings).
  - Regular participant in, and sometime coordinator of, the Regis University Math Department informal math club.
  - Fan and proud supporter of Regis University Athletics. Go Rangers!