

Curriculum Vita – Eric S. Wright

APPOINTMENTS

2007–present University of Montana - Western – Associate Professor of Mathematics

2005–2007 University of Montana - Western – Assistant Professor of Mathematics

2002–2005 University of Akron – Assistant Professor of Applied Mathematics, Department of Theoretical and Applied Mathematics

1999–2002 University of Colorado – NSF VIGRE Graduate Research Fellow, Department of Applied Mathematics

1996–1999 University of Colorado – Teaching Assistant, Department of Applied Mathematics

1993–1995 Colorado State University – Undergraduate Research Assistant, Department of Physics Magnetism Lab (Directed by Prof. Carl Patton)

PROFESSIONAL PREPARATION

1996–2002 Applied Mathematics, University of Colorado Ph.D.

- August 2002 – Thesis Advisors: Congming Li and Keith Julien
- MS – May 1999

1991–1995 Physics, Colorado State University

- BS Physics (second major in Mathematics) – December 1995.

PUBLICATIONS

In Refereed Journals

1. W. Chen, C. Li, and E.S. Wright *On a nonlinear parabolic system - modeling chemical reactions in rivers*. Communications on Pure and Applied Analysis. **4**, no. 4, 2005.
2. C. Li and E.S. Wright *Global Existence of Solutions to a Reaction Diffusion System Based upon Carbonate Reaction Kinetics*, Communications on Pure and Applied Analysis. **1**, no. 1, 2002, 77–84.
3. C. Li and E.S. Wright *Modeling Chemical Reactions in Rivers: A Three Component System*, Discrete and Continuous Dynamical Systems. **7**, no. 2 (2001), 377–384.
4. N.G. Kovshikov, B.A. Kalinikos, C.E. Patton, E.S. Wright, and J.M. Nash *Formation, Propagation, Reflection, and Collision of Microwave Envelope Solitons in Yttrium Iron Garnet Films*, Physical Review B. **54**, no 21 (1996), 15210–15223.
5. P. Kabos, C.E. Patton, G. Wiese, A.D. Sullins, E.S. Wright, and L. Chen *Butterfly Curves and Critical Modes for Second-Order Spin-Wave Instability Processes in Yttrium Iron Garnet Films*, Journal of Applied Physics. **80**, no. 7 (1996), 3962–3971

CURRENT RESEARCH PROJECTS

1. Computer aided surveying techniques for caves

Collaborators:

- (a) Ira Sasowsky (University of Akron)
- (b) Alex Pachos (University of Akron)
- (c) Melissa Bishop (University of Akron)

2. Modeling the formation of calcite rimstone dams

Collaborators:

- (a) Ira Sasowsky (University of Akron)
- (b) Jerry Young (University of Akron)
- (c) Curtis Clemons (University of Akron)
- (d) Brad Justice (University of Akron)

STUDENTS

Masters Students:

1. Tajidin Aleem, Spring 2003 - Spring 2005 (Degree Conferred Spring 2005)
2. Aaron Weiss, Summer 2004 - Summer 2005 (Degree Conferred Summer 2005)