

UNIVERSITY FACULTY RESUME
2007

Personal Information:

Curtis J. Kunkel
Assistant Professor of Mathematics, tenure-track
Humanities 431

Educational Credentials

2003-2007 Ph.D. Mathematics, Baylor University, Waco, TX.
2003-2005 M.S. Mathematics, Baylor University, Waco, TX.
1999-2003 B.A. Mathematics & Computer Science, The University of Minnesota –
Morris, Morris, MN.

Employment History

2007- Assistant Professor of Mathematics, *The University of Tennessee at Martin*,
Martin, TN.
2003-07 Graduate Teaching Assistant / Instructor of Record, *Baylor University*, Waco,
TX.

Scholarly Activity

Refereed Articles:

6. J. Ehrke, J. Henderson, C. Kunkel, Five-Point Boundary Value Problems for N^{th} Order Differential Equations by Solution Matching, *Involve*, in press.
5. C. Kunkel, Singular Second Order Boundary Value Problems on Purely Discrete Time Scales, *Journal of Difference Equations and Applications*, in press.
4. J. Ehrke, J. Henderson, C. Kunkel, and Q. Sheng, Boundary data smoothness for solutions of nonlocal boundary value problems for second order ordinary differential equations, *Journal of Mathematical Analysis and Applications*, **333** (2007), 191-203. Special issue dedicated to William Ames.
3. C. Kunkel, Singular second order boundary value problems for differential equations, *Proceedings of Neural, Parallel, and Scientific Computations* **3** (2006), 119-124.
2. J. Henderson, C. Kunkel, Singular discrete higher order boundary value problems, *International Journal of Difference Equations*, **1** (2006), 101-115.
1. C. Kunkel, Singular discrete third order boundary value problems, *Communications on Applied Nonlinear Analysis* **13** (2006), 27-38.

Technical Reports and Other Publications:

2. "Ramsey Numbers: Improving the Bounds of $R(5,5)$ ", Proceedings of the Thirty-Sixth

Annual Midwest Instruction and Computing Symposium, College of St. Scholastica, Duluth, Minnesota, April 2003.

1. “*Western Minnesota Technology Audit*”, Western Area City County Cooperative Report, Morris, MN, August 2002.

Colloquium and Conference Talks:

5. “*Positive Solutions of Singular Second Order Boundary Value Problems on Purely Discrete Time Scales*”, 27th Annual Southeastern Atlantic Regional Conference on Differential Equations, Murray State University, Murray, Kentucky, October 19-20, 2007.
4. “*Singular Discrete Third Order Boundary Value Problems*”, AMS Session on Analysis and Functional Analysis at 2007 Joint Mathematics Meetings, New Orleans, Louisiana, January 5-8, 2007.
3. “*Singular Discrete Higher Order Boundary Value Problems*”, 26th Annual Southeastern Atlantic Regional Conference on Differential Equations, University of North Carolina at Greensboro, Greensboro, North Carolina, October 27-28, 2006.
2. “*Singular Second Order Boundary Value Problems for Differential Equations*”, Special Session on Differential and Difference Equations and Applications at the Third International Conference of Neural, Parallel, and Scientific Computations, Atlanta, Georgia, August 9-12, 2006.
1. “*Singular Discrete Third Order Boundary Value Problems*”, Student Contributed Paper Session, 2006 Meeting of the Texas Section, Mathematical Association of America, Wichita Falls, Texas, April 2006.

Faculty/Teaching Development Activities

Teaching Development Seminars Attended:

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|---------------|---|
| Oct. 13, 2007 | <i>Exploring Mathematics with TI-Nspire Technology Course</i> , Boyd-Buchanan School, Chattanooga, Tennessee. |
| Aug. 14, 2007 | <i>Tablet PC Training</i> , University of Tennessee at Martin Instructional Technology Center. |
| Jan. 23, 2007 | <i>Engaging the Lecture Classroom</i> , Baylor University Seminars for Excellence in Teaching. |
| Nov. 9, 2006 | <i>Teaching in the Sciences</i> , Baylor University Seminars for Excellence in Teaching. |

Public Service/University Service/Consulting Activity

Service to the Department:

- *Member, Departmental Equipment & Software Committee, 2007*
- *Member, Departmental Curriculum Committee, 2007*
- *Member, Departmental Middle School Contest Committee, 2007*
- *Member, Departmental Mathematics Placement Committee, 2007*
- *Member, Departmental Search Committee, 2007*

Referee Service:

- *Advances in Difference Equations*
- *Advances in Difference Equations and Control Processes*
- *Applicable Analysis*
- *Journal of Mathematical Analysis and Applications*
- *Neural, Parallel and Scientific Computations*

Service to the Profession:

- Webmaster for *Mathematics Teachers of Tennessee – Northwest*.
- Chair of AMS Session on Analysis and Functional Analysis, *2007 Joint Mathematics Meeting*, New Orleans, Louisiana, January 5-8, 2007.

Service to the Community:

- CENSational Days presenter, Martin, Tennessee, October 4-5, 2007.

Professional Societies and Other Relevant Activities**Professional Memberships:**

- American Mathematical Society
- Mathematical Association of America
- Society for Industrial and Applied Mathematics
- Tennessee Mathematics Teachers Association
- Mathematics Teachers of Tennessee - Northwest

Conferences Attended:

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|------------|---|
| Oct. 2007 | <i>27th Annual Southeastern Atlantic Regional Conference on Differential Equations</i> , Murray, Kentucky. |
| Sept. 2007 | <i>2007 Tennessee Mathematics Teachers Association Fall Meeting</i> , Knoxville, Tennessee. |
| Sept. 2007 | <i>2007 Fall Mathematics Workshop, sponsored by MT²NW</i> , Martin, Tennessee. |
| Jan. 2007 | <i>2007 Joint Mathematics Meetings</i> , New Orleans, Louisiana. |
| Oct. 2006 | <i>26th Annual Southeastern Atlantic Regional Conference on Differential Equations</i> , Greensboro, North Carolina. |
| Aug. 2006 | <i>Third International Conference on Neural, Parallel, and Scientific Computations</i> , Atlanta, Georgia. |
| April 2006 | <i>2006 Meeting of the Texas Section of the Mathematical Association of America</i> , Wichita Falls, Texas. |
| Jan. 2003 | <i>2003 Joint Mathematics Meetings</i> , Baltimore, Maryland. |

Awards and Honors:

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| 2006-07 | <i>Outstanding Mathematics Graduate Student Teaching Award</i> , Baylor University |
| 2006 | <i>Texas MAA Outstanding Student Paper Presentation</i> |
| 2003 | <i>Scholar of the College</i> , The University of Minnesota – Morris |

International Travel

2005	Caribbean Cruise (Mexico)	<i>Honeymoon</i>
2004	Playa Del Carmen, Mexico	<i>Family Vacation</i>