

John Travis, Ph.D.

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Professional interests: *Geometric Design* and *Numerical Linear Algebra*.
Member: Mathematical Association of America, MCTM, ACMS

Employment History

2006 – Present: Professor and Chair, Department of Mathematics, Mississippi College, Clinton, MS

May-December 2006: Senior Research Mathematician, Army Corps of Engineers, Engineer Research and Development Center, Vicksburg, MS.

2005 – 2006: Webmaster, Mississippi College, Clinton, MS

2004 – 2006: Associate Professor and Chair, Department of Mathematics, Mississippi College, Clinton, MS

2000 – 2006: Associate Professor, Department of Mathematics and Computer Science, Mississippi College, Clinton, MS

1995 – 2000: Assistant Professor, Department of Mathematics and Computer Science, Mississippi College, Clinton, MS

1988 – 1995: Instructor, Department of Mathematics and Computer Science, Mississippi College, Clinton, MS

Summers 1983 and 1984: Instructor, Department of Mathematics and Computer Science, Mississippi College, Clinton, MS

1982 – 1988: Teaching Assistant, Department of Mathematics, University of Tennessee, Knoxville, TN

Summer 1982: Mathematical Programmer for Don Resio, Clay Street, Vicksburg, MS

Educational Background

Ph. D., Mississippi State University, December 1994

Dissertation title: *On Twists For C^1 Tensor Surfaces And Solids With Applications To Grid Generation*

Advisor Dr. C. Wayne Mastin

M.S., University of Tennessee, August 1985

Thesis title: *A Numerical Study Of Diagonally Implicit Runge Kutta Methods For A Parabolic Differential Equation*

Advisor Dr. Larry Bales

B.A., Mississippi College, May 1982

Double Major: Mathematics and Business

Institutional Service

Chair of Mathematics – 2004 - present
Supervisor for the Mississippi College Community Service Center - 1998 – 2004
Faculty Council - 1996 - 2000, 2004 - 2008
Faculty Club President - 2003 - 2004
Numerous departmental and institutional committees as needed

Professional Service

Board of Governors, Mathematical Association of America, 2006 – 2009
Committee on Website Policy and Procedures, Mathematical Association of America
Committee on Technologies in Mathematics Education – 2007 – present
Strategic Planning Group on Periodicals and Communication Report – 2008 – 2011
Working Group on e-Communities – 2009 – present

WeBWork Development Group – 2011

Sage Development Group – 2011

Senior Research Mathematician – US Army Engineering Research Center – 2006

Executive Committee of the Louisiana/Mississippi Section of the Mathematical Association of America:

- Chair (2002-2003), MS Vice-Chair (2001 - 2002) Past Chair (2003 - 2004)
- Technical Editor and Publisher for the *Proceedings of the LA/MS Section of the MAA* - 1999 - present
- Newsletter Editor - 1998 - 2001
- Web Coordinator - 1996 - present

Judge for Mississippi Mu Alpha Theta Convention – 1997 - 2011
Nominations Committee for Mississippi Academy of Sciences - 2000
Member of the Mathematical Association of America
Member of the Mississippi College Teachers of Mathematics
Member of the Association of Christians in the Mathematical Sciences

Community Service

Board of Directors and Vice Chairman for the MC Credit Union - 1995 - present
Coordinator for the Woodmoor Homeowner's Association Home Page - 1999 – 2003
Board of Directors for the Woodmoor Homeowner's Association - 1998 - 2000
Member of Clinton Public Schools PTA - 1999 - present

Church Service

Director/Counselor for Royal Ambassadors - 1992 - 1994, 1999 - present
Deacon - 1993 - 1996, 2003 – 2006
Personnel Committee – 2009 – 2011, Chair - 2011
Church Instrumental Ensemble – 2005 - present
Numerous other committee and teaching roles

Book Reviews

January 2005, **Advanced Statistics From an Elementary Point of View**, by Michael J. Panik, for Elsevier (Whole Text)

February 2004, **Advanced Statistics From an Elementary Point of View**, by Michael J. Panik, for Elsevier

August, 2002, **An Introduction to Scientific Computing**, by Ian Gladwell and Warren Ferguson, for Addison-Wesley

August 1999, **Order and Chaos: An Introduction to Differential Equations**, by Florin Diacu, for W.H. Freeman and Company.

December 1998, **Introduction to Statistics**, by Williams, for Houghton Mifflin

March 1998, **Introduction to Dynamical Systems and Differential Equations**, by Merrill, for Houghton Mifflin.

Courses Taught at Mississippi College

College Algebra - Math 101
Trigonometry - Math 102
Calculus I - Math 121
Calculus II - Math 122
Finite Mathematics - Math 205
Applied Calculus - Math 206
Applied Linear Algebra – Math 213
Calculus III - Math 221
Calculus IV - Math 222
Foundations of Mathematics - Math 301
Discrete Structures - Math 309
Differential Equations - Math 352
Intro. to Mathematics Probability and Statistics - Math 353
Numerical Methods - Math 381
Linear Algebra - Math 413
Mathematics Seminar - Math 431 (Recreational Mathematics)
Advanced Calculus - Math 450
Probability and Statistics - Math 453
Graph Theory - Math 455
Numerical Analysis - Math 481
Topics in Higher Algebra - Math 6520/6528
Real Analysis I - Math 6528
Modern Geometry - Math 6551
Mathematical Modeling - Math 6570