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### EDUCATION

August 1993     Ph.D. in Mathematics, The University of Iowa, Iowa City, Iowa 52242.  
Doctoral Dissertation: Superlinear Algorithms for LP and LCP Problems  
with Their Complexity Analysis.

### TEACHING EXPERIENCE

August 2007 - present	Professor Department of Mathematics Kennesaw State University, Kennesaw, GA 30144.
August 2002 - July 2007	Associate Professor Department of Mathematics and Statistics Kennesaw State University.
September 1998 - July 2002	Associate Professor Department of Mathematics & Computer Science Valdosta State University, Valdosta, GA 31698.
September 1993 – August 1998	Assistant Professor Department of Mathematics & Computer Science Valdosta State University.

### AREAS OF RESEARCH INTEREST

Analysis of algorithms, difference equations, mathematical education, numerical linear algebra, numerical optimization, and operations research.

### SAMPLE PUBLICATIONS

1. Computing the outer and group inverses through elementary row operations, *Computers and Mathematics with Applications*, 68 (2014), 655-663.  
<http://dx.doi.org/10.1016/j.camwa.2014.07.016>.  
Free access to this article until October 19, 2014 from the following link:  
<http://authors.elsevier.com/a/1PcwQ3CDPPaV6G>
2. A new method for computing Moore-Penrose inverse through Gauss-Jordan elimination (with X. Chen), *Applied Mathematics and Computation*, 245 (2014), 271-278.  
<http://dx.doi.org/10.1016/j.amc.2014.07.082>.  
Free access to this article until October 6, 2014 from the following link:  
<http://authors.elsevier.com/a/1PYKo2C8gcT1F>
3. Positivity of the Green Function for a Four Point Fourth Order Focal Boundary Value Problem (with B. Yang), *Dynamic Systems and Applications*, 23 (2014) 203-210.

4. Two inverse-of- $N$ -free methods for  $A_{M,N}^\dagger$ , *Applied Mathematics and Computation*, 232 (2014), 39-48.
5. Computing the positive solutions of the discrete third-order three-point right focal boundary-value problems (with B. Yang), *International Journal of Computer Mathematics*, 91 (2014), no. 5, 996-1004.
6. A condensed Cramer's rule for the minimum-norm least-squares solution of linear equations, *Linear Algebra and its Applications*, 437 (2012), 2173-2178.
7. Gauss-Jordan elimination methods for the Moore-Penrose inverse of a matrix, *Linear Algebra and its Applications*, 437 (2012), 1835-1844.
8. Eigenvalue Comparisons for a Class of Boundary Value Problems of the Discrete Beam Equation (with B. Yang), *Applied Mathematics and Computation*, 218 (2012), 5402-5408.
9. Positive solution for boundary value problems of the second order difference equations and its computation (with B. Yang), *Journal of Mathematical Analysis and Applications*, 367 (2010), 409-415.
10. Positive solutions of discrete third-order three-point right focal boundary value problems (with B. Yang), *Journal of Difference Equations and Applications*, 15 (2009), 185-195.

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