

## JUN JI

**Department of Mathematics  
Kennesaw State University  
Math Building - Bldg. D - Room 207  
1100 S Marietta Pkwy, Marietta, GA 30060**

Telephone: office: (470)578-6442  
e-mail: [jjj@kennesaw.edu](mailto:jjj@kennesaw.edu)

### 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
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, linear and multilinear algebra, numerical linear algebra, numerical optimization, operations research, and tensor analysis.

### TEN MOST RECENT PUBLICATIONS

1. Construction of finite tight frames via singular value decomposition (with L. Wang), *Linear and Multilinear Algebra*, doi: 10.1080/03081087.2021.1887068. Accepted on January 26, 2021 and published online on February 13, 2021. The printed version will be out soon.
2. A divide-and-conquer approach for the computation of the Moore-Penrose inverses (with X. Chen), *Appl. Math. Comput.*, 379 (2020), doi: 10.1016/j.amc.2020.125265. Accepted on March 22, 2020 and published online. The printed version will be out soon.
3. The core-EP, weighted core-EP inverse of matrices, and constrained systems of linear equations (with Y. Wei). *Commun. Math. Res.*, doi: 10.4208/cmr.2020-0028, 37 (2021), 86-112.
4. The outer generalized inverse of an even-order tensor with the Einstein product through the matrix unfolding and tensor folding (with Y. Wei), *Electronic Journal of Linear Algebra*, 36 (2020), 599-615.

5. The Drazin inverse of an even-order tensor and its application to singular tensor equations (with Y. Wei), *Computers and Mathematics with Applications*, 75 (2018), 3402-3413.
6. Spectral properties of a boundary value problem for the discrete beam equation (with B. Yang), *J. Appl. Math. Comput.*, 54 (2017), no. 1-2, 95-108.
7. Weighted Moore-Penrose inverses and the fundamental theorem of even-order tensors with Einstein product (with Y. Wei), *Front. Math. China*, 12 (2017), no. 6, 1319-1337.
8. The computation of positive solutions for a boundary value problem of the linear beam equation (with B. Yang), *Commun. Korean Math. Soc.*, 32 (2017), 215-224.
9. Computing the outer and group inverses through elementary row operations, *Computers and Mathematics with Applications*, 68 (2014), 655-663.
10. A new method for computing Moore-Penrose inverse through Gauss-Jordan elimination (with X. Chen), *Applied Mathematics and Computation*, 245 (2014), 271-278.

Updated on February 20, 2021.