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教育背景

- 2013.09-2017.07 博士研究生, 湖南大学 数学与统计学院, 计算数学.
- 2010.09-2013.07 硕士研究生, 桂林电子科技大学 数学与计算科学学院, 计算数学.
- 2006.09-2010.07 本科, 咸宁学院 (湖北科技学院), 数学与应用数学.

经历

工作经历

- 2019.09-至今 硕士生导师, 温州大学 数理学院.
- 2017.07-至今 讲师, 温州大学 数理学院.

交流访问

- 2016.11-2017.05 客座学生, 中国科学院.
- 2014.08-2016.08 联合培养博士研究生, 美国奥本大学 (*Auburn University*).

教学经历

- 2017.07-至今 讲授课程.
 - 高等数学
 - 高等代数
 - 实用计算方法 (数值分析)
 - 数学与人类文明

研究方向

- 1 矩阵 (张量) 填充问题的算法
- 2 压缩感知的重构算法
- 3 约束矩阵方程组的算法

主持和参与项目

2019.01–2021.12 **压缩感知与矩阵填充问题的参数化阈值算法研究**, 国家自然科学基金 (青年项目), (11801418), 22 万.

主持

2014.08–2016.08 **联合培养博士研究生**, 国家建设高水平大学公派研究生项目, (201406130046), 资助方式为 A1 类.

主持

代表性论文 (* 表示通讯作者):

1. Dongxiu Xie, Hugo J. Woerdeman, **An-Bao Xu***, *Parametrized quasi-soft thresholding operator for compressed sensing and matrix completion*, Computational and Applied Mathematics, 149(2020), 24 p
2. **An-Bao Xu***, Dongxiu Xie, *Low-rank approximation pursuit for matrix completion*, Mechanical Systems and Signal Processing, 95(2017), 77-89.
3. Dongxiu Xie, **An-Bao Xu***, Zhen-yun Peng, *Least-squares symmetric solution to the matrix equation $AXB=C$ with the norm inequality constraint*, International Journal of Computer Mathematics, 93(2016), 1564-1578.
4. **An-Bao Xu**, Zhen-yun Peng*, *Norm-constrained least-squares solutions to the matrix equation $AXB = C$* , Abstract and Applied Analysis, 2013 (2013), 10 p.
5. Frank Uhlig, **An-Bao Xu***, *Iterative optimal solutions of linear matrix equations for Hyperspectral and Multispectral image fusing*. (submitted)
6. Yongming Zheng, **An-Bao Xu***, *Tensor Completion via Tensor QR Decomposition and $L_{2,1}$ -Norm Minimization*. (submitted)
7. **An-Bao Xu***, *Tensor Completion via a Low-Rank Approximation Pursuit*. (submitted)

主要学术会议报告：

1. The 8th International Conference on Matrix Analysis and Application (ICMAA 2019), University of Nevada, Reno, USA, July 15-18, 2019.
-Contributed Talk: *Tensor completion via low-rank approximation pursuit.*
2. 2018 SIAM Conference on Applied Linear Algebra (SIAM-ALA18), Hong Kong Baptist University, Hong Kong, China, May 4-8, 2018.
-Contributed Talk: *Parametrized quasi-soft thresholding operator for compressed sensing and matrix completion.*
3. 2017 Workshop on Matrices and Operators (MAO), Hunan University, Changsha, Hunan, China, June 9-12, 2017.
-Contributed Talk: *Varied Parametric Quasi-Soft Thresholding for Compressed Sensing.*
4. 2016 SIAM Conference on Imaging Science (SIAMIS16), Albuquerque, New Mexico, USA, May 23-26, 2016.
-Contributed Talk: *Low-Rank Approximation Pursuit for Matrix and Tensor Completion.*
-Travel Support from SIAM Student Travel Fund.
5. The 40th SIAM Southeastern Atlantic Section Conference (SIAM-SEAS), University of Georgia, Athens, Georgia, USA, March 12-13, 2016.
-Contributed Talk: *Optimal Solutions for Solvable and Unsolvable Inhomogeneous Linear Matrix Equations of Generalized Sylvester Type.*

科研学会会员

- 1 中国数学会
- 2 中国工业与应用数学学会 (CSIAM)
- 3 Society for Industrial and Applied Mathematics (SIAM)
- 4 International Linear Algebra Society (ILAS)

指导硕士生

2019 级 郑永铭