

# 徐安豹 (博士, 讲师)

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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. **An-Bao Xu\***, Dongxiu Xie, Low-rank approximation pursuit for matrix completion, *Mechanical Systems and Signal Processing*, 95(2017), 77-89.
2. 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.
3. **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.
4. Frank Uhlig, **An-Bao Xu\***, Iterative optimal solutions of linear matrix equations for Hyperspectral and Multispectral image fusing. (submitted)
5. Dongxiu Xie, Hugo J. Woerdeman, **An-Bao Xu\***, Parametrized quasi-soft thresholding operator for compressed sensing and matrix completion. (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 Society for Industrial and Applied Mathematics (SIAM)
- 3 International Linear Algebra Society (ILAS)

## 指导硕士生

2019 级 郑永铭