Deng KangKang - CV

CONTACT INFORMATION

School of Mathematics and Computer Science
Fuzhou University
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RESEARCH INTERESTS

Canonical correlation analysis
Nonsmoth problems on manifold; Riemannian optimization
Sparse representation classification
Probabilistic Boolean network

EDUCATION

Fuzhou University, Fuzhou, Fujian, China
Doctor of Philosophy (Ph. d program in advance) **September 2015 -- present**

- Expected graduation date: June 2020
- Advisor: Professor Peng Zheng

Fujian Normal University, Fuzhou, Fujian, China
Bachelor's degree **September 2011 -- June 2015**

PROJECTS

稀疏典型相关分析的快速算法及其在基因表达数据分析中的应用 (国家自然科学基金项目 -11571074)

超大规模约束优化问题算法及其应用天元数学交流项目 (国家自然科学基金项目 -11726505)

高维数据驱动稀疏低秩优化问题有效算法的研究及其应用 (国家自然科学基金项目 - 11871153)

REFEREED PUBLICATIONS

Deng, K., Peng, Z., & Chen, J. (2019). Sparse probabilistic Boolean network problems: A partial proximal-type operator splitting method. Journal of Industrial & Management Optimization, 15(4), 1881-1896.

Jiang, B., Peng, Z., & **Deng, K.** (2019). Two New Customized Proximal Point Algorithms Without Relaxation for Linearly Constrained Convex Optimization. Bulletin of the Iranian Mathematical Society, 1-28.

Deng, K., & Peng, Z. (2019). An Inexact Augmented Lagrangian Method for Nonsmooth Optimization on Riemannian Manifold. arXiv preprint arXiv:1911.09900.

Peng, Z, & **Deng, K.**. (2020+). An Riemannian Homotopy Smoothing Method for Nonsmooth Composite Problems on Manifold. **Manuscript.**

Peng, Z, & **Deng, K.**. (2020+). Adaptive Sparse Canonical Correlation Analysis with Trace Lasso Regularization. **Manuscript.**

Deng, K., Peng, Z., & Zhu, W. (2019). A Novel Discriminative Projection and Representation-based Classification Framework for Face Recognition. **Submitted to** SIAM Journal on Imaging Sciences.

Peng, Z., & **Deng, K.** (2019). A Semi-supervised Progressive Sparse Representation-based Classification for Face Recognition with Insufficient Samples. **Submitted to** IEEE Signal Processing Letters.

PROGRAMMING

Python, Matlab.

HOBBIES

I love the outdoors and playing sport.