Shifan Zhao

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1 Basic information

- Position: Second year math Phd
- Institution: Emory University
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2 Education

- Emory University
  - (2020-Now) Doctor of Philosophy, Computational Mathematics
  - (2020-Now) Master of Science, Computer Science
- The Hong Kong University of Science and Technology
  - (2018-2020) Master of Philosophy, Mathematics
- Wu Han University
  - (2018-2020) Batchelor of Science, Mathematics and Applied Mathematics

3 Teaching

- (2019) Honor Real Analysis, The Hong Kong University of Science and Technology
- (2019) Differential Geometry, The Hong Kong University of Science and Technology

4 Professional activity

4.1 Affiliations

- Society of Industrial and Applied Mathematics

5 Publications

5.1 Journal papers

[J3] He, H., Zhao, S., Xi, Y., Ho, J. C., Saad, Y., (2021). "Solve Minimax Optimization by Anderson Acceleration". *arXiv preprint arXiv:2110.02457*.

[J2] Su, K., Li, C., Zhao, S., Lei, N., Lui, L. M., Chen, S., Gu, X., (2021). "Comparison between variational optimal mass transportation and Lie advection". *Mathematics, Computation and Geometry of Data* **1** 1, 99–130.

[J1] Su, K., Li, C., Zhao, S., Lei, N., Gu, X., (2019). "Discrete Lie flow: A measure controllable parameterization method". *Computer Aided Geometric Design* **72**, 49–68.

5.2 Refereed proceedings

[C2] He, H., Zhao, S., Xi, Y., Ho, J., (2021). "AGE: Enhancing the Convergence on GANs using Alternating extra-gradient with Gradient Extrapolation". *NeurIPS 2021 Workshop on Deep Generative Models and Downstream Applications*.

[C1] He, H., Zhao, S., Xi, Y., Ho, J., Saad, Y., (2021). "GDA-AM: ON THE EFFECTIVENESS OF SOLVING MIN-IMAX OPTIMIZATION VIA ANDERSON MIXING". *International Conference on Learning Representations*.

6   Talks