

• Supplementary File •

A SAR Imaging Method Based on Generalized Minimax-Concave Penalty

Zhonghao WEI^{1,2,3*}, Bingchen ZHANG^{1,3} & Yirong WU³

¹University of Chinese Academy of Sciences, Beijing 100049, China;

²Key Laboratory of Technology in Geospatial Information Processing and Application Systems, Beijing 100190, China;

³Institute of Electronics, Chinese Academy of Sciences, Beijing 100190, China

Appendix A

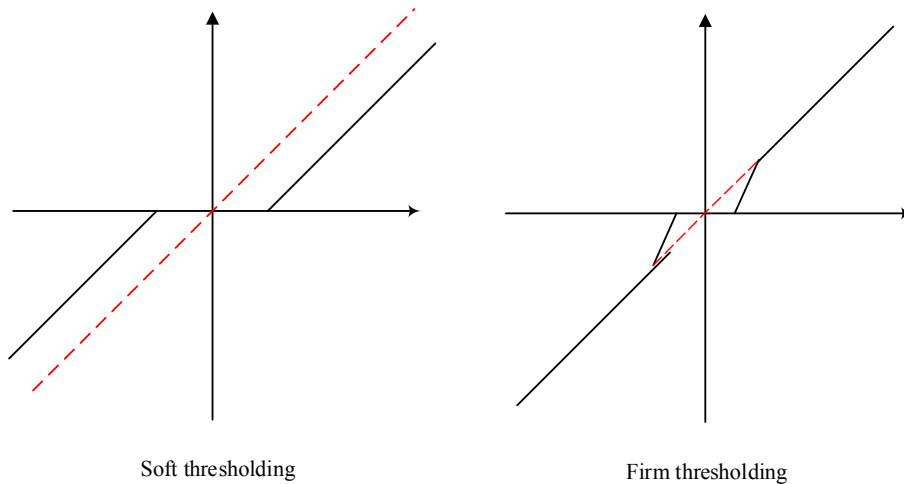


Figure A1 Denoising functions of soft and firm thresholding.

* Corresponding author (email: weizhh@163.com)

Appendix B

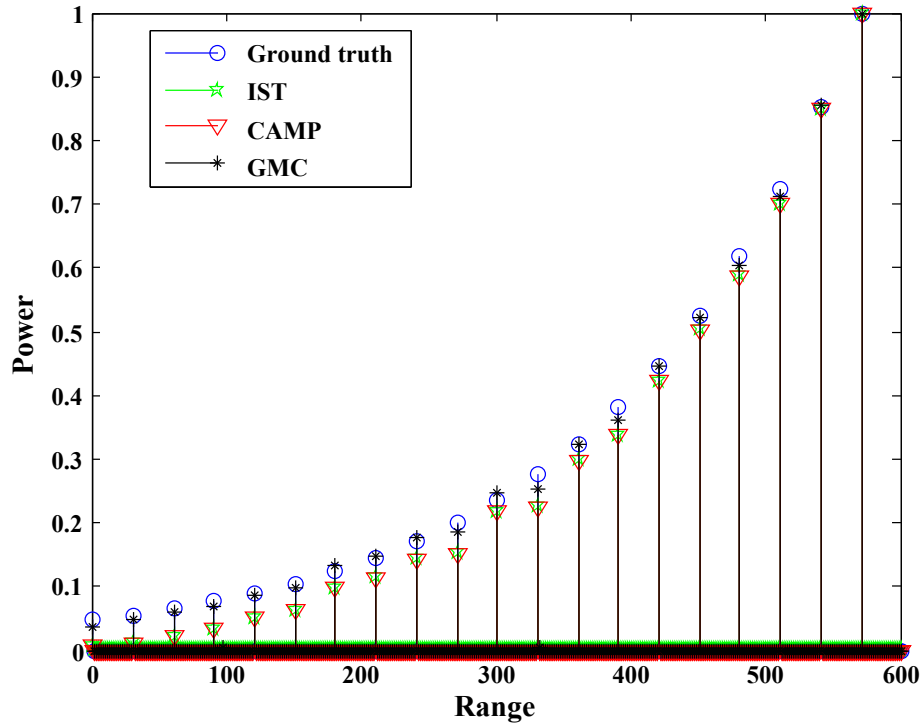


Figure B1 Results of IST, CAMP, and GMC with noisy data, with SNR of 5dB.

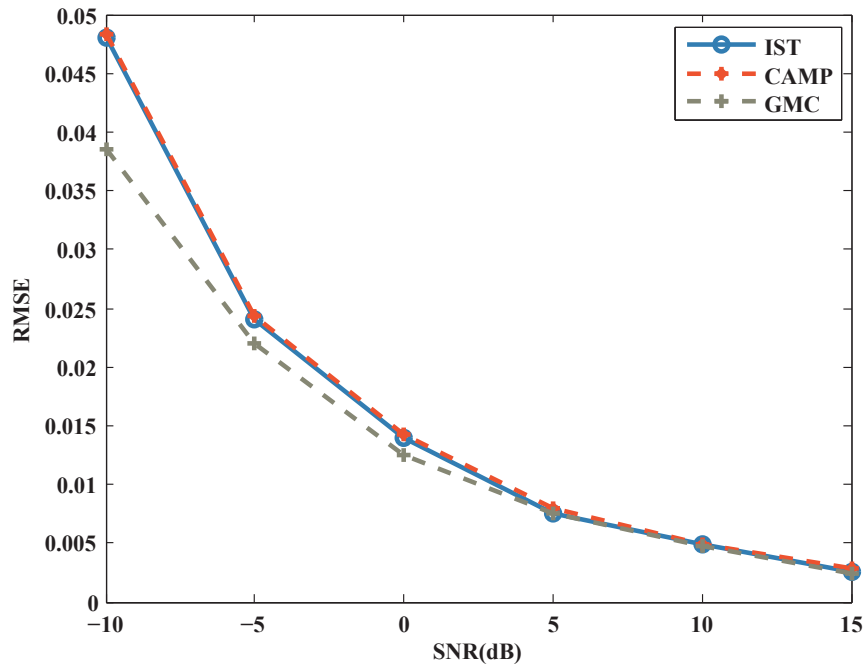


Figure B2 RMSE versus SNR.

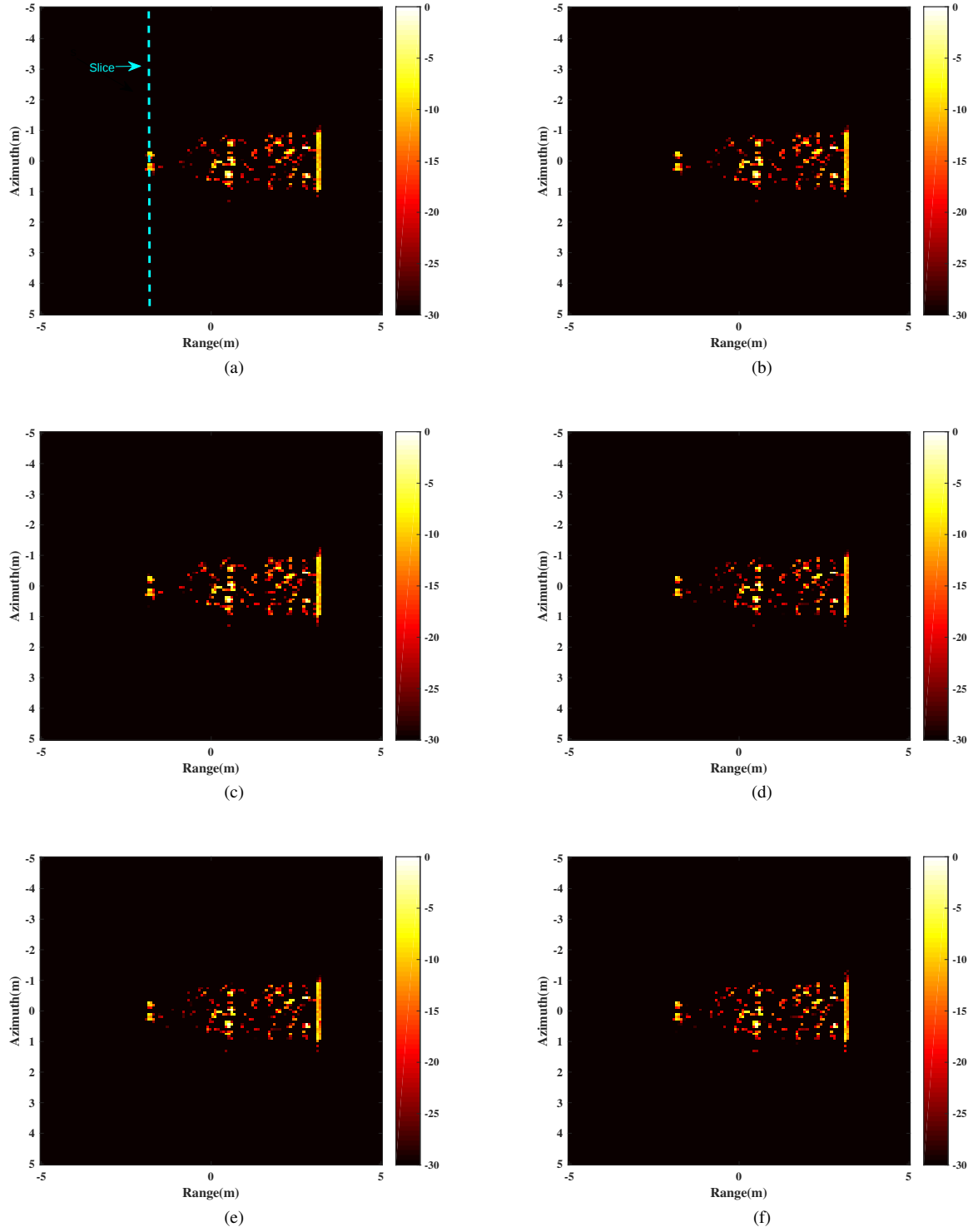


Figure C1 Results of Backhoe dataset. (a) IST with noiseless data. (b) CAMP with noiseless data. (c) GMC with noiseless data. (d) IST with noisy data, SNR is 15dB. (e) CAMP with noisy data, SNR is 15dB. (f) GMC with noisy data, SNR is 15dB.

Appendix C

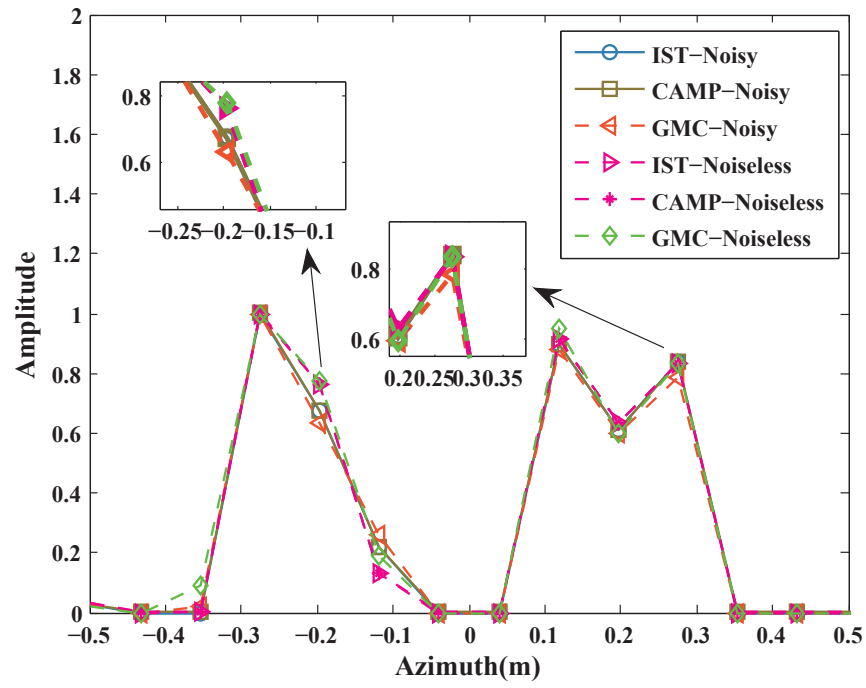


Figure C2 Comparison of the results obtained by IST, CAMP and GMC in an azimuth slice.