

Assignment 2.3

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Finding the θ for which the reconstruction error is minimum and using that value of θ to reconstruct.

Minimum θ for Phantom is 105° and for Chest CT is 53°

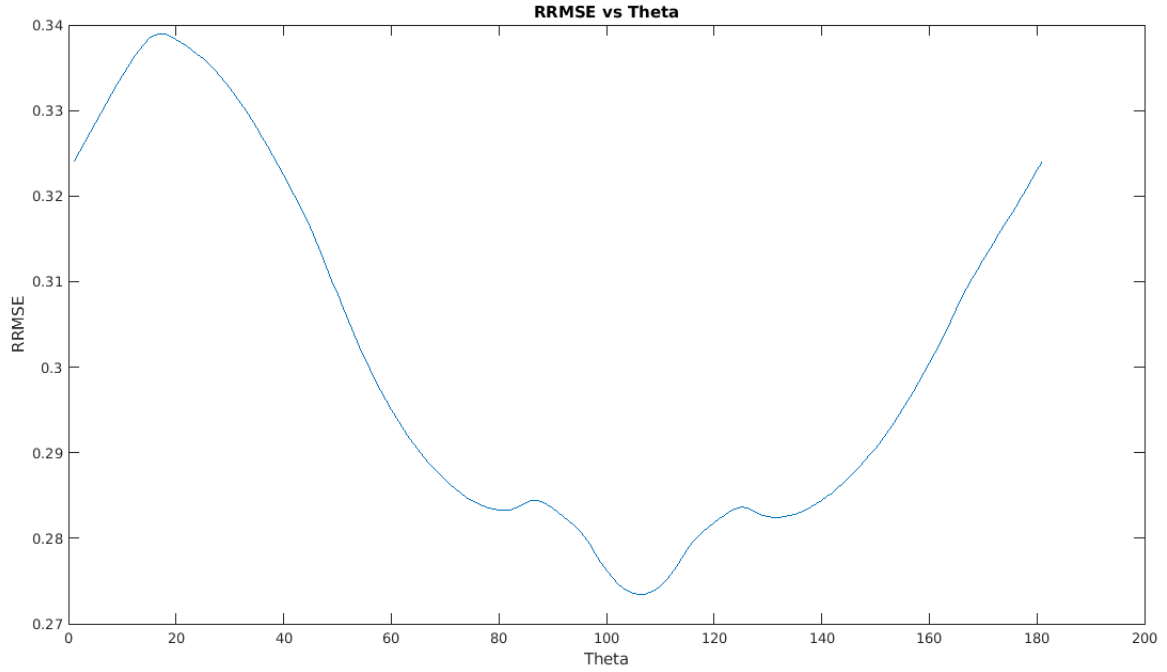


Figure 1: RRMSE values of reconstructed image over varying θ for Phantom image

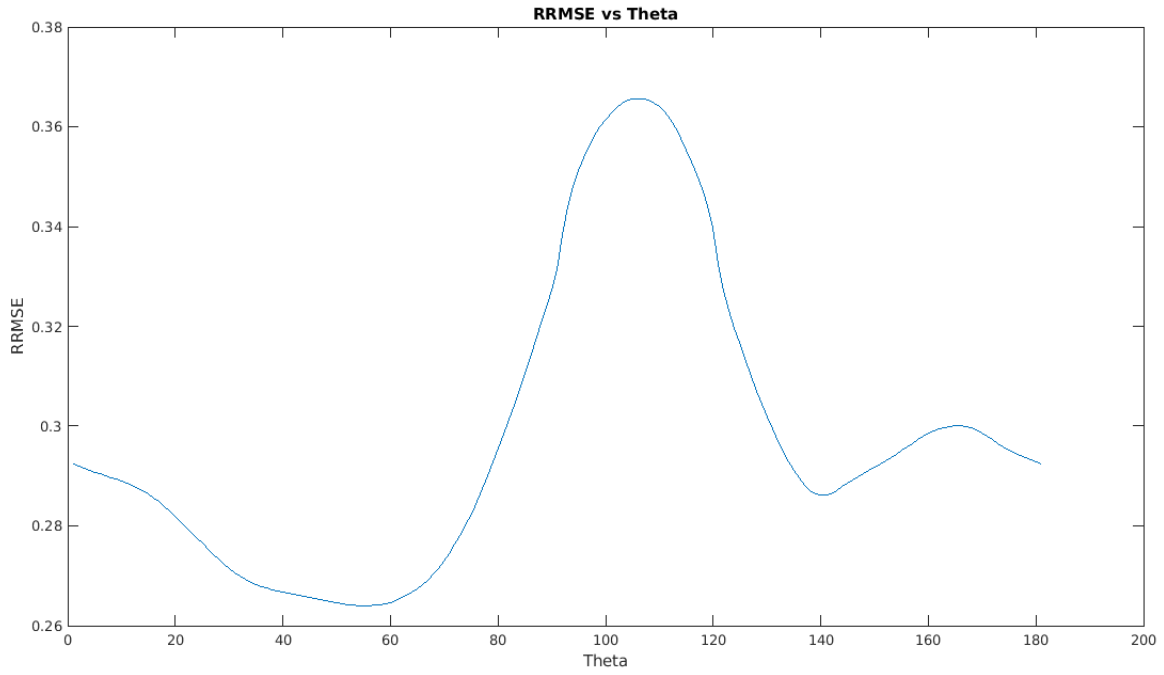


Figure 2: RRMSE values of reconstructed image over varying θ for Chest CT image

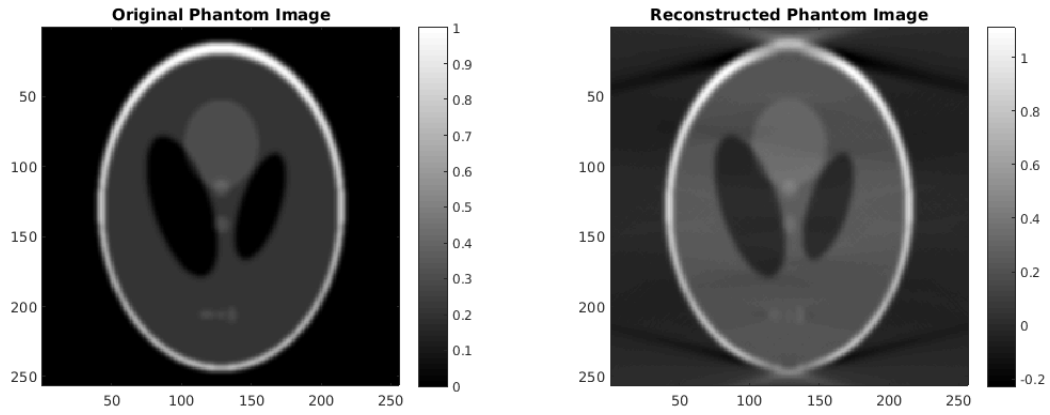


Figure 3: Original and Reconstructed Phantom Image from partial Radon transform

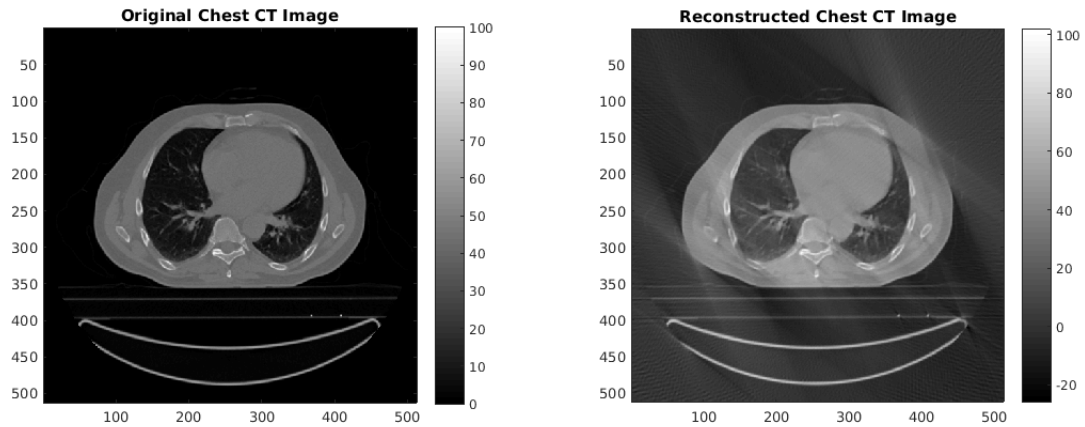


Figure 4: Original and Reconstructed Chest CT Image from partial Radon transform