CHAPTER VIII

FIGURES

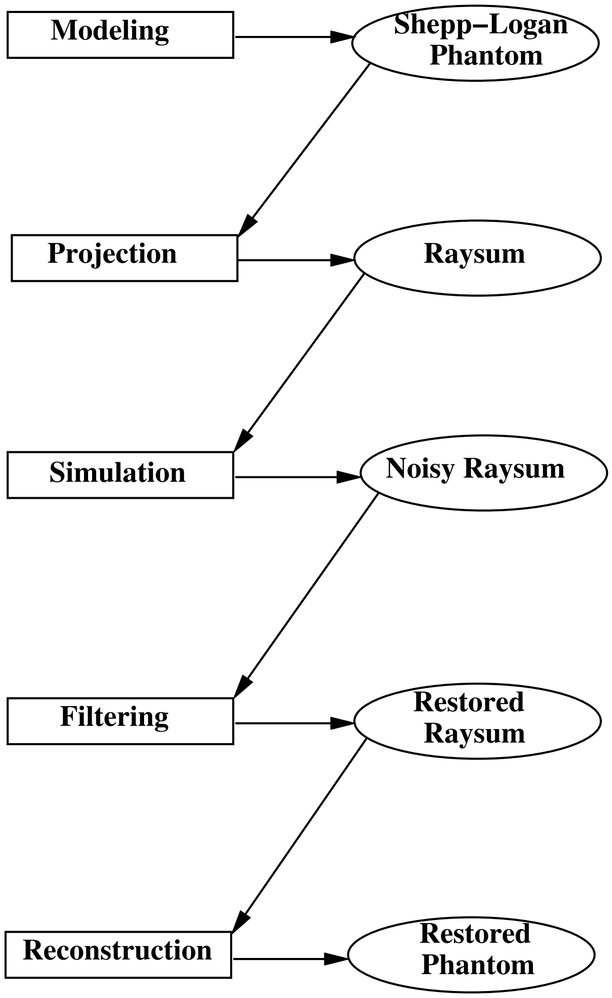

Fig. 1 Diagram of PET Image Processing

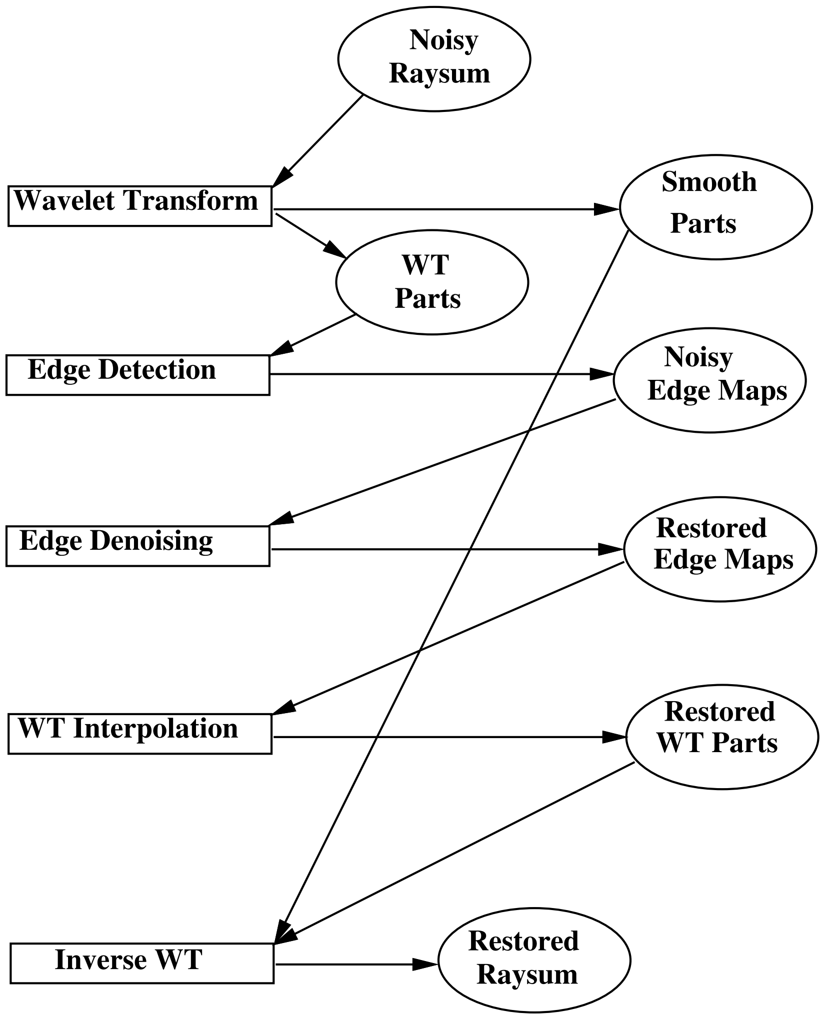

Fig. 2 Diagram of Wavelet Filtering

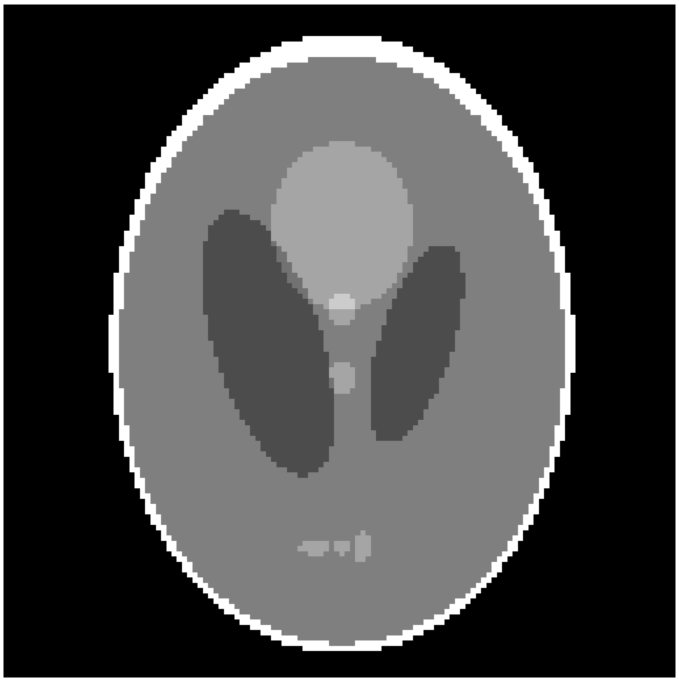

Figure 3. Original Shepp-Logan Phantom

Figure 4. Shepp-Logan Phantom
Reconstructed from Multiscale Edges

Figure 5. Noisy Phantom, 2 Million Photons

Figure 6. Restored Phantom with Modulus Filter

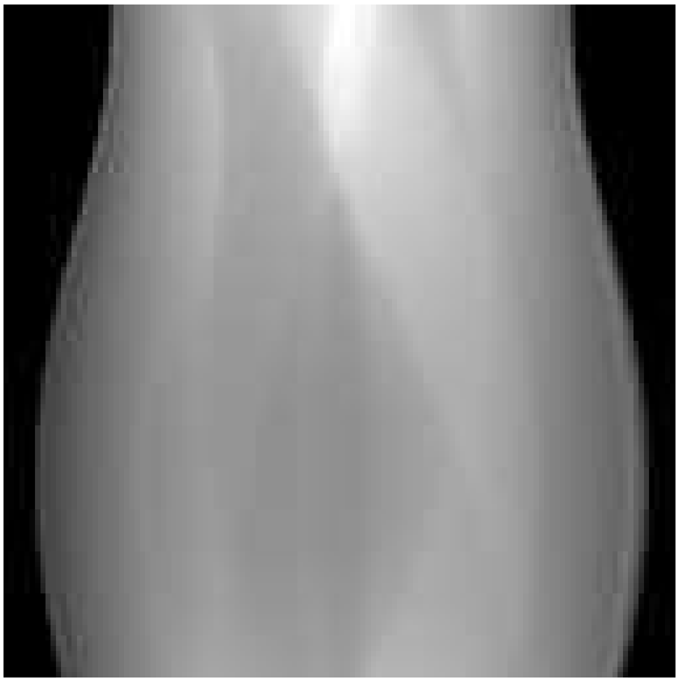

Figure 7. Raysum of Shepp-Logan Phantom

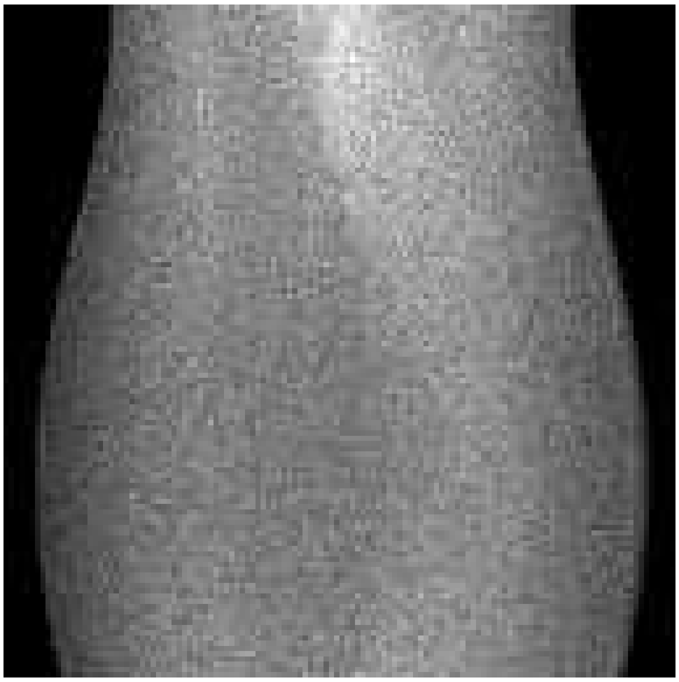

Figure 8. Noisy Raysum, 2 Million Photons

Figure 9. CBP Image from Noiseless Raysum

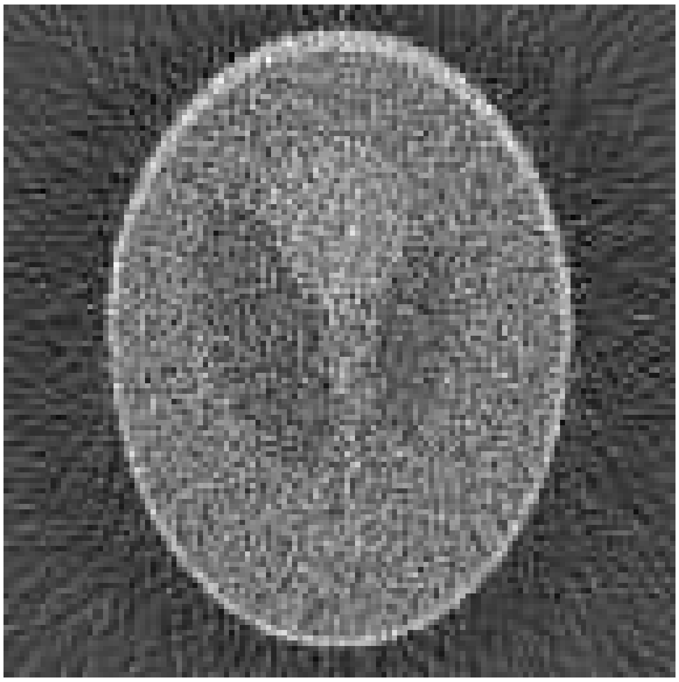

Figure 10. CBP Image from Noisy Raysum

Figure 11. CBP Image with Parabola
Filter from Noiseless Raysum

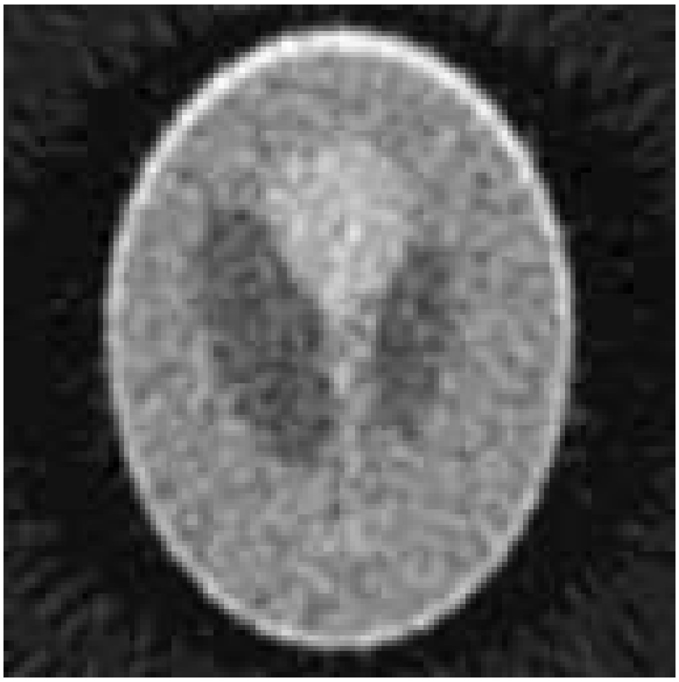

Figure 12. CBP Image with Parabola
Filter from Noisy Raysum

Figure 13. CBP Image with Modulus
Filter from Noiseless Raysum

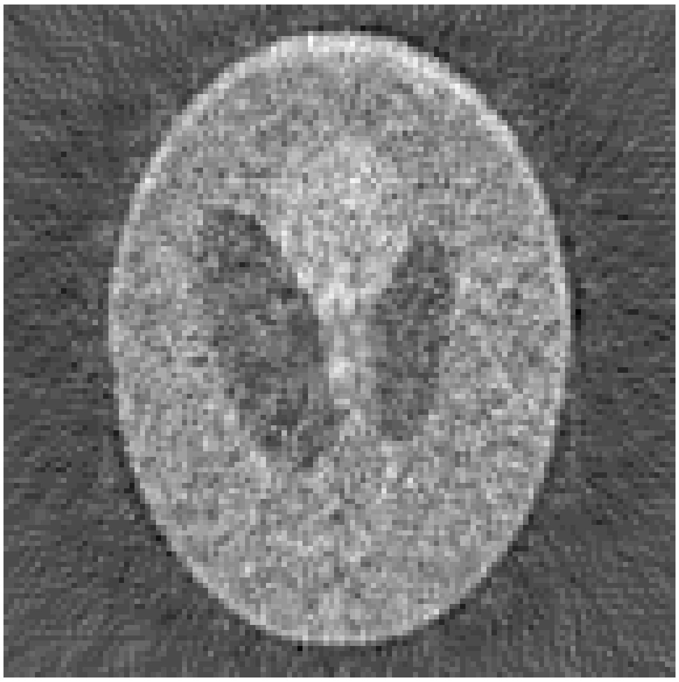

Figure 14. CBP Image with Modulus
Filter from Noisy Raysum

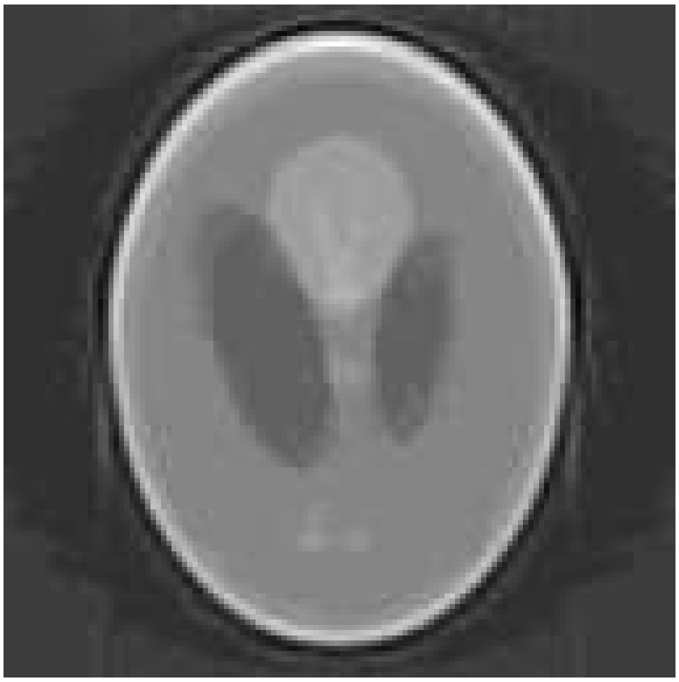

Figure 15. CBP Image with Modulus Filter
and Edge Tracking (Noiseless)

Figure 16. CBP Image with Modulus Filter
and Edge Tracking (Noisy)

Figure 17. CBP Image with Edge Tracking on Noiseless Raysum

Figure 18. CBP Image with Edge Tracking
on Noisy Raysum

Figure 19. CBP Image with Modulus and Local Phase Variance Threshold (Noiseless)

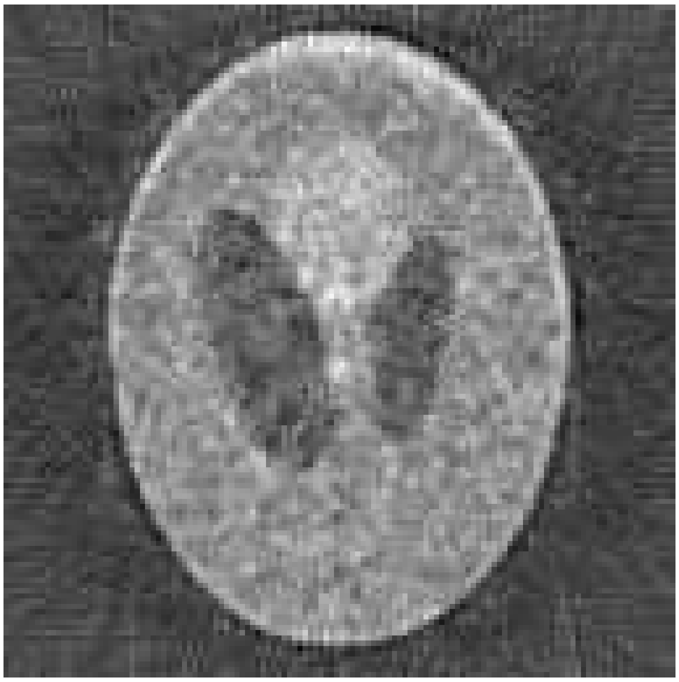

Figure 20. CBP Image with Modulus and Local Phase Variance Threshold (Noisy)

Figure 21. CBP Image with Local Phase
Variance Thresholding (Noiseless)

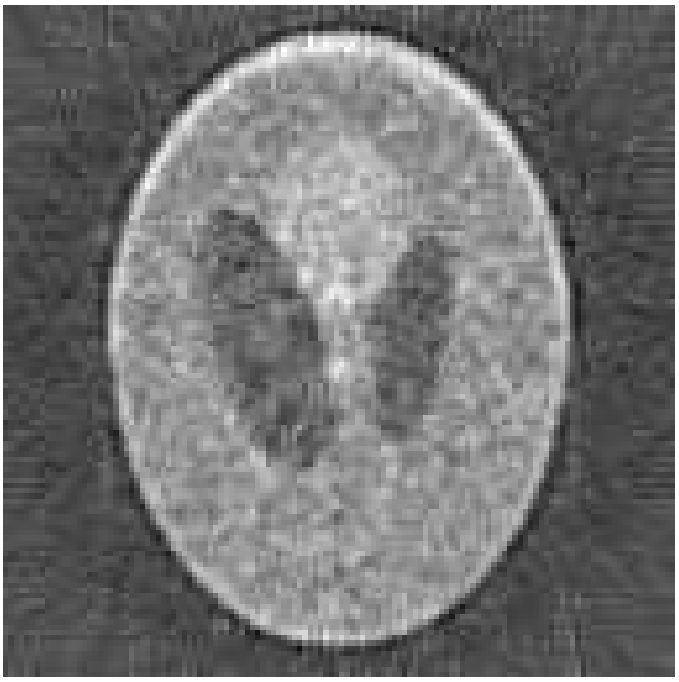

Figure 22. CBP Image with Local Phase
Variance Thresholding (Noisy)

Figure 23. CBP Image with Modulus and Scale
Phase Variation Thresholding (Noiseless)

Figure 24. CBP Image with Modulus and Scale Phase Variation Thresholding (Noisy)

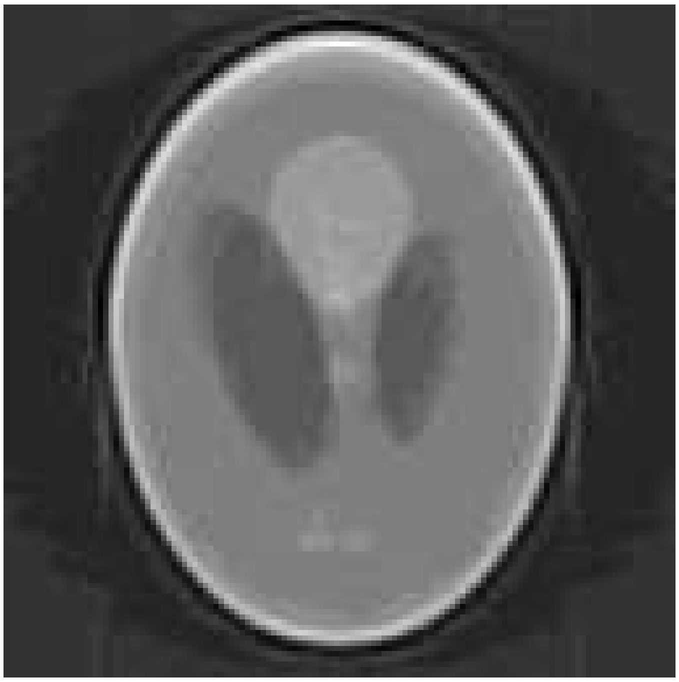

Figure 25. CBP Image with Scale Phase
Variation Thresholding (Noiseless)

Figure 26. CBP Image with Scale Phase
Variation Thresholding (Noisy)