Results

Median filtering vs weighted averaging



Figure 1. CT Brain Image after Median Filtering



Figure 2. CT Brain Image after Weighted Averaging

Image Enhancement Methods

Histogram Equalization

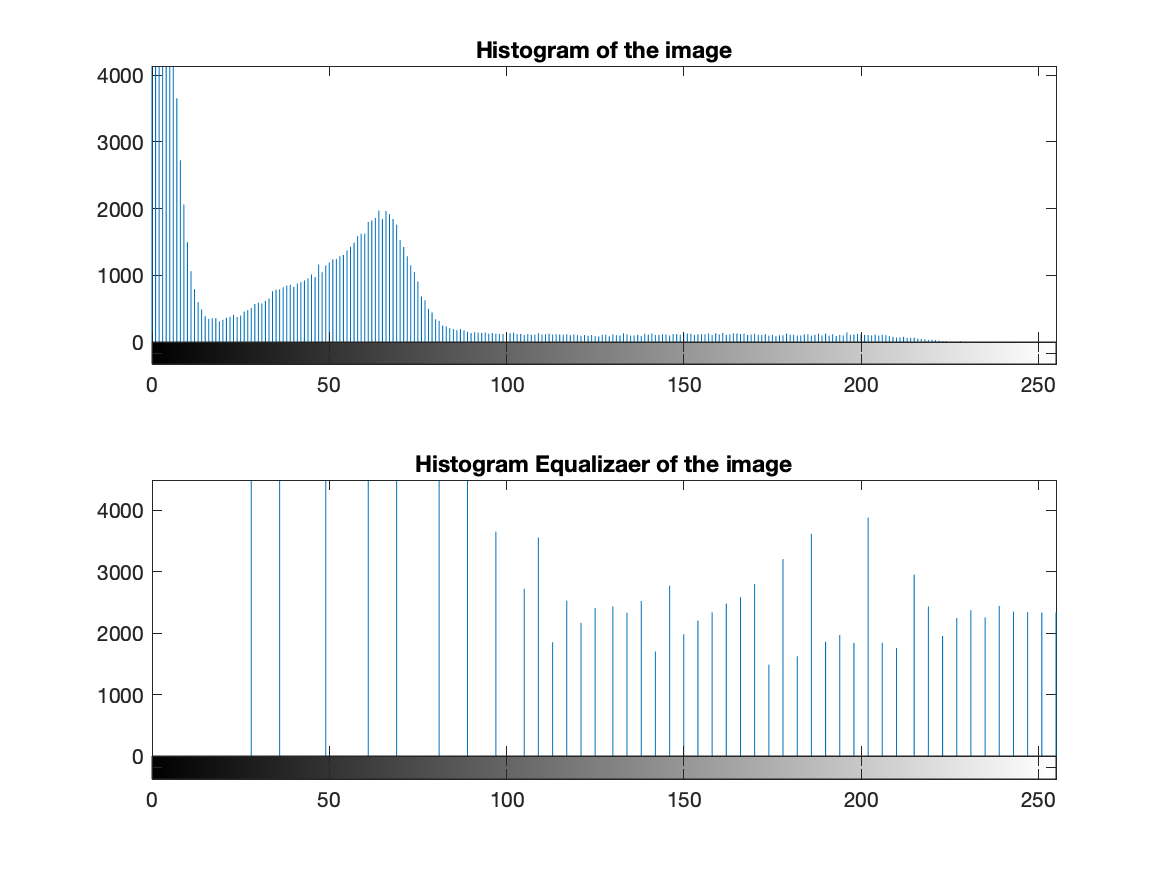


Figure 3. MR Brain Image with Histogram Equalization

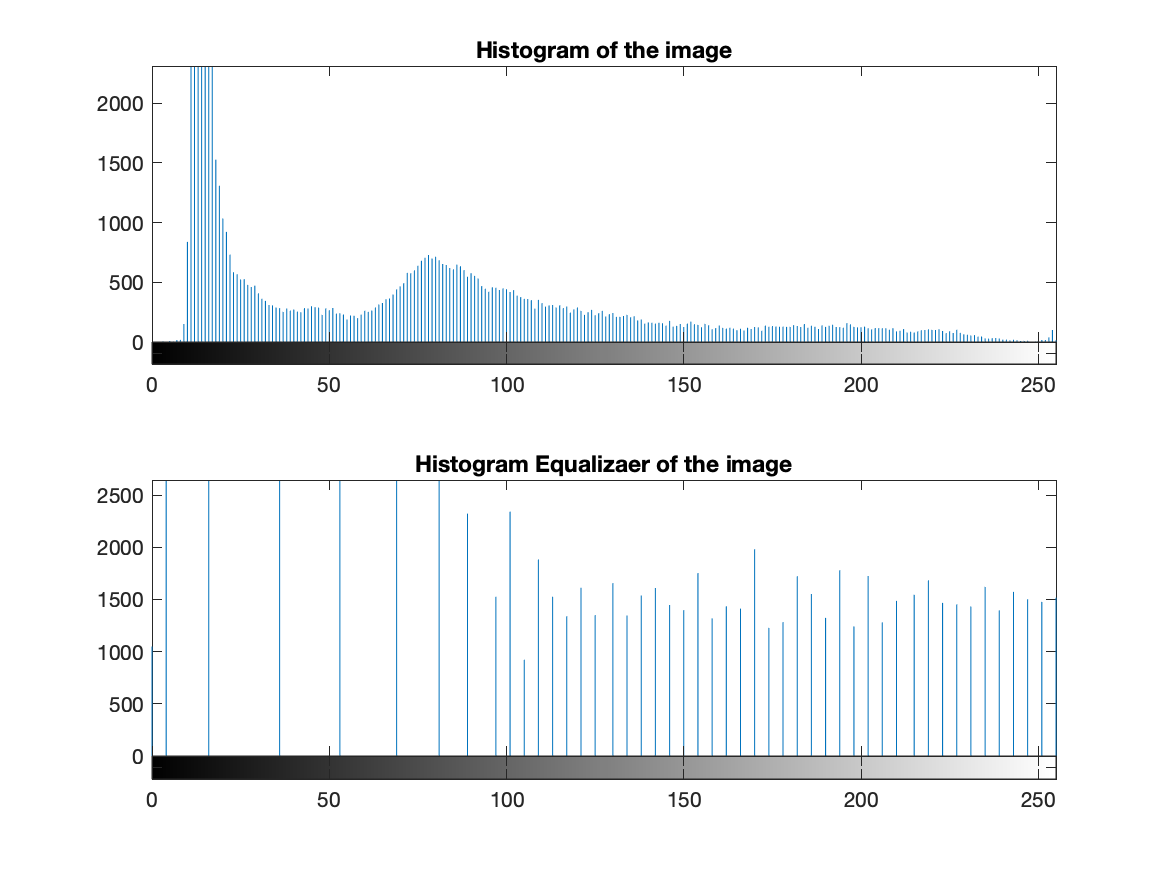


Figure 4. X-Ray Mammogram with Histogram Equalization

Sobel Gradient Mask

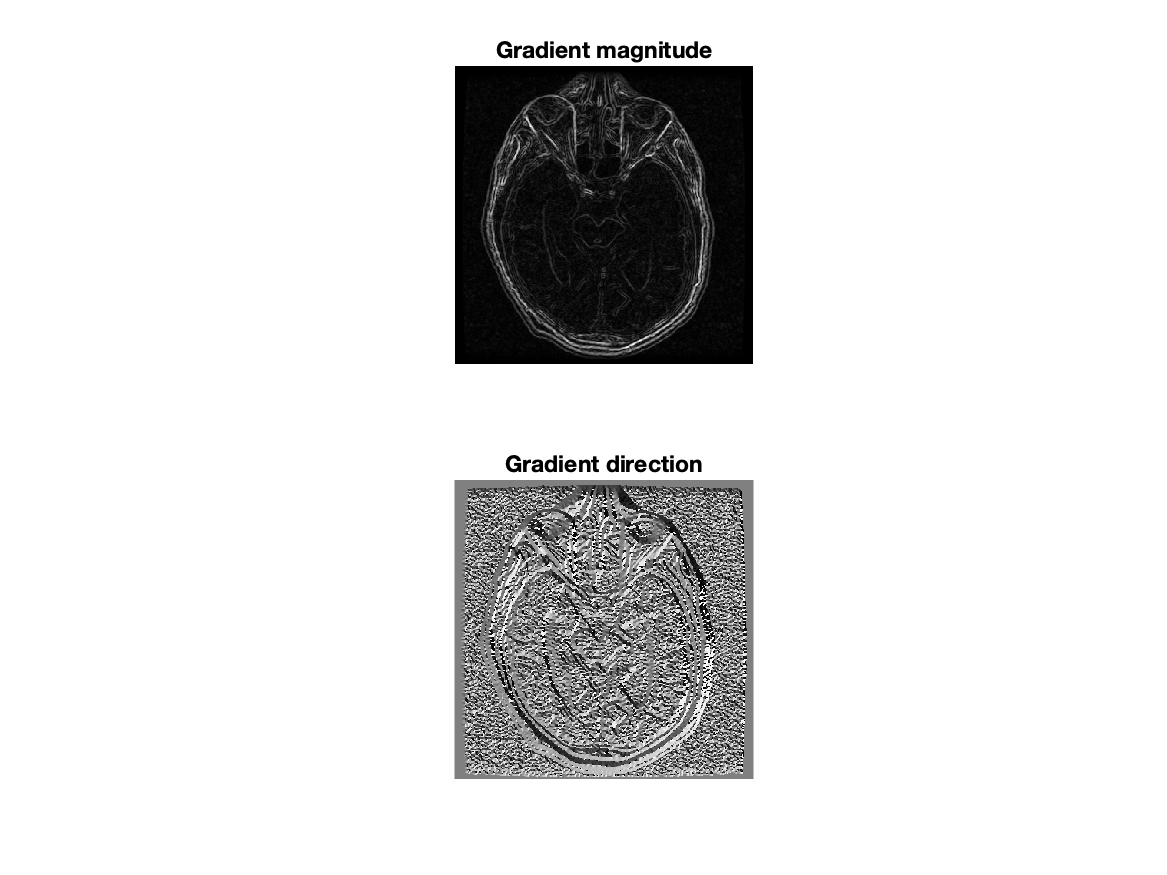


Figure 5. MR Brain Image with Sobel Gradient Mask

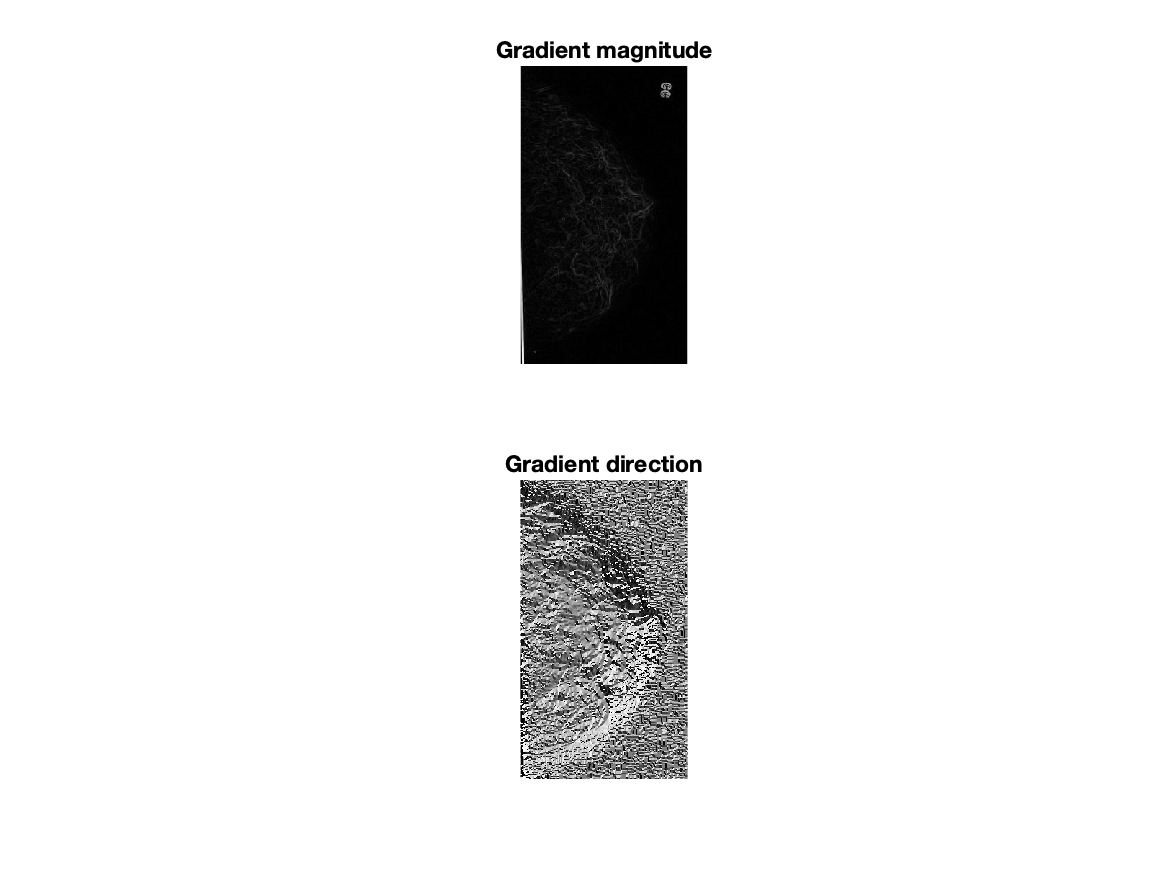


Figure 6. X-Ray Mammogram with Sobel Gradient Mask

Laplacian Gradient Mask

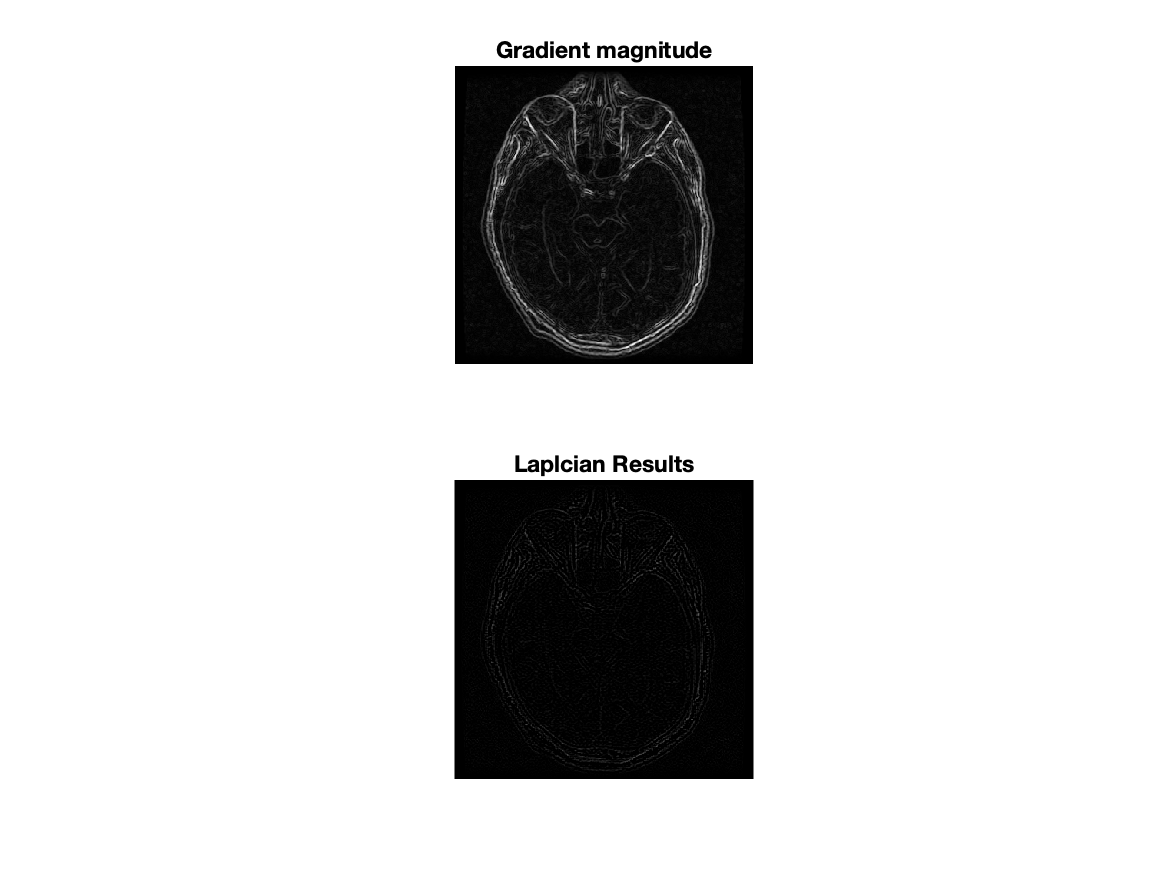


Figure 7. MR Brain Image with Laplacian Gradient Mask

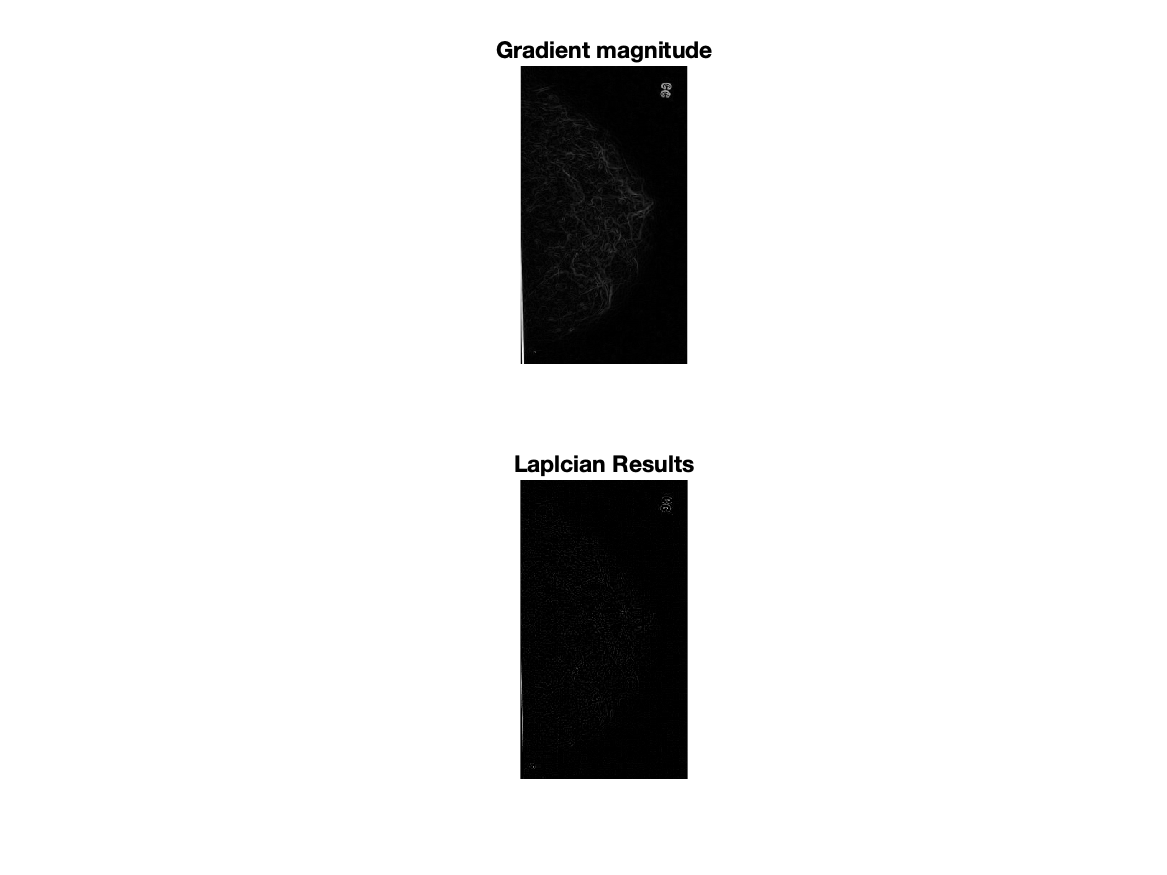


Figure 8. X-Ray Mammogram with Laplacian Gradient Mask

Local Histogram Equalization

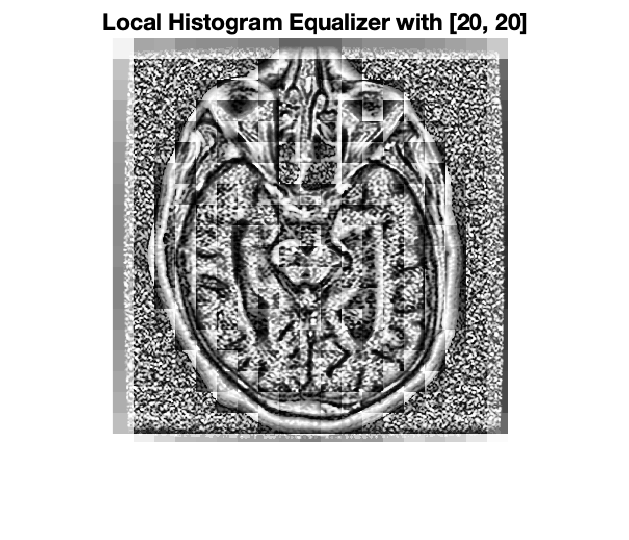


Figure 9. MR Brain Image with Local Histogram Equalization

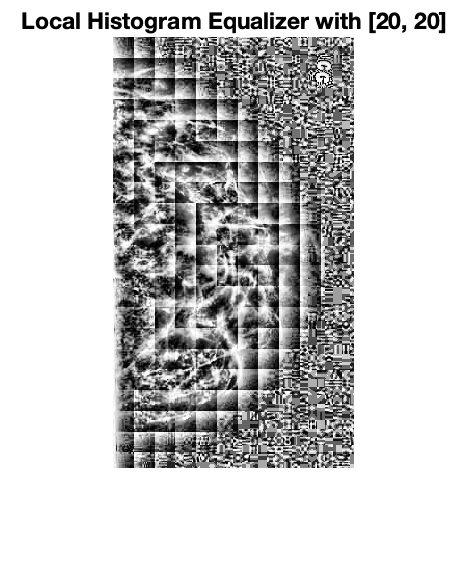


Figure 10. X-Ray Mammogram with Local Histogram Equalization

Gaussian High-pass Filtering

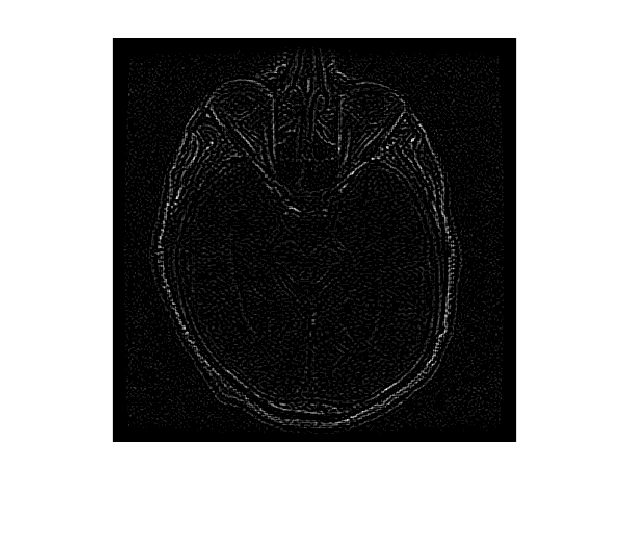


Figure 11. MR Brain Image with Gaussian High-Pass Filtering

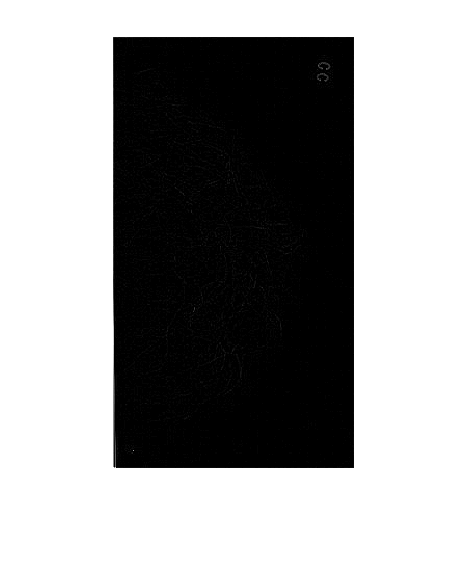


Figure 12. X-Ray Mammogram with Gaussian High-Pass Filtering