

Computed Tomography, mathematics and simulation in Matlab

EE 518 final project, CSU Fullerton

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This page will contain work I did for the EE 518 (Digital signal processing I) project I took at California State University, given by Professor Shiva in Fall 2008.

1 Report

1. report
2. report POWER POINT slides in PPT format
3. report Power point slides in PDF format
4. Matlab simulation of Fourier Central Slice Theorem
5. some books on MRI

2 Animated GIFs

Animated GIFs generated from running some matlab simulations. Click on the link to start the animated gif running. Might take few seconds to fully load.

1. xray of a chest
2. disk with random noise added to it
3. reconstruct image of Lena
4. reconstruct another disk (larger image, slower)
5. disk, fast run
6. xray_50_lena_ram-lak_ANIMATED.gif
7. xray_50_lena_no_filter_ANIMATED.gif
8. circle_50_projections_ram_lak_filter_ANIMATED.gif
9. circle_50_projections_no_filter_ANIMATED.gif