

Results

Setting up Octave on Mac OS X to run the files

<http://www.island94.org/2007/09/setting-up-octave-and-gnuplot-on-osx/>

IHT_CDSC

Ran IHT_mainscript.m using Octave and got the following terminal output.

warning: function name 'IHT_debug' does not agree with function file name '<filepath>/IHT.m'
IHT error: 0

cosamp_CDSC

Ran cosamp_mainscript.m using Octave and got the following terminal output.

maxinterval = 500
haltval = 1.0000e-04
ii = 17
CoSaMP error: 0

riciandenoise

Downloaded a 0% noise brain image from

http://mouldy.bic.mni.mcgill.ca/brainweb/selection_normal.html

Ran riciandenoise_demo.m in Octave and got the following terminal and window output.

Converged in 14 iterations with tolerance 0.002.

Noisy Input Image



Denoised



Ran riciandenoise3_demo and got the following terminal and window output.

Loaded uexact of size [181,217,181]

Simulating noisy data...

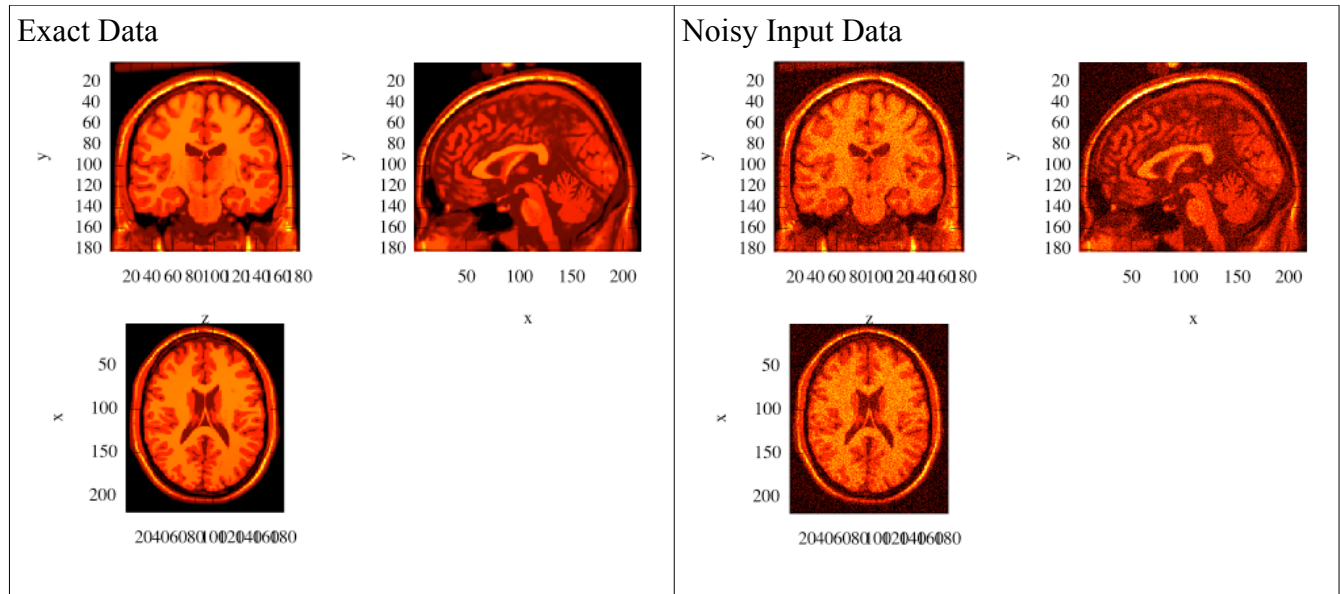
error: 'linkaxes' undefined near line 75 column 5

error: called from:

error: /Users/um/CDSC/code/riciandenoise/riciandenoise3_demo.m at line 75, column 5

Note: linkaxes is used in Matlab, but Octave doesn't have this function.

<http://wiki.octave.org/wiki.pl?MissingMatlabFunctions>



Tried to compile riciandenoise3mx.c and riciandenoisemx.c with GCC, but it said the file mex.h, which isn't included in the directory, is needed.

Poisson_Rician_deblurring

Tried to compile poissondeconv3mx.c and riciandeconv3mx.c with GCC, but it said mex.h was missing again.

Compiled gaussianblur.c successfully.