

Radon README for use with MPFiles
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Here is the matlab code to extract velocity from linescan data.

1. download chronux 1.5 from chronux.org
- add chrounux directory to matlab path

2. move MPFILE.OCX to c:\
open a windows console and type: regsrv32 C:\MPFILE.OCX

3. make a 'crunched' folder. this is where all the processed files will go.
somewhere like Documents\crunched
change the my_crunched_folder variable appropriately.

4. put the attached matlab files in a new directory and add it to you path to
analyze a file type: [mv_mpP]=]MPDMultiVessel_cc(25,1)
select the file to analyze
enter the # of vessels
enter the name of the vessel enter 1 for velocity (linescan) Select the left and
right boundaries of the area to analyze by clicking on two points on the
image. The y position of the mouse clicks is ignored so don't worry about that.
enter a start frame, usually 1 enter an end frame (one less than the last frame)
enter the microns per pixel @1x
enter the objective
enter the animal name etc.
The program should save a copy of the processed file in the same directory as
the raw data, as well as in the 'crunched folder'