Interpretation of Wangchen codes

Depth analysis

**1. ttshow.m**

This gui software basically work for loading excel file (e.g., Acute\_Feb15\_2012.xls) and presenting the depth of each tetrode

And it can export a mat file (e.g., Acute\_Feb15\_2012\_ttshow\_tetrodeDepth.mat).

In this mat file,

There is a structure array variable “tet” (n=1,…, 28; 24 tetrodes and 4 references)

Each structure component has

id: 'tt1'

depth: 1668

turns: [18x1 double]

turnStop: [18x1 double]

totalTurns: 34.8500

inBrain: 14

turnDepth: [18x1 double]

ref: 14

scale: 80

**2. some restructuring data across the 3 sessions and call makeTetrodeDepthDatabase.m**

Since Wangchen did not create a script file, I created based on the work flow of his work.