* Memory Mechanics Through Ion Migration and Conductivity Measurement
  + EAP Muscle Memory
    - load('memory data.mat')
    - MemoryDataPlot
* EAP Hydrogel Embodied in a Simulated Game-world
  + Current Draw Learning A
    - load('current data 2.mat');
    - CurrentPlotFull
  + Current Draw Learning B
    - load('pong data both.mat')
    - combinedPongRallyTrend(CombinedTablePlus,1)
  + Paddle State Comparison Distribution A
    - load('current\_data\_mutual\_info\_3.mat')
    - stateHistogrames3D(paddleDataSep2, 0)
  + Paddle State Comparison Distribution B.i
    - ballDistMatGen
    - load('ballDist.mat')
    - paddleRandDistPlot(paddleRandomDist)
  + Paddle State Comparison Distribution B.ii
    - ballDistMatGen
    - load('ballDist.mat')
    - ballDistPlotterRatio(ballDist\_Paddle\_RatioComb,3)
  + Entropy and Variance
    - load('current\_data\_mutual\_info\_3.mat')
    - stateHisVar2(paddleDataSep2, ballDataSep3, 0)
* Supplementary Information
  + Hit Distribution
    - load('pong data both.mat')
    - hitLocs(CombinedTablePlus);
  + Averaging Window Sizes
    - load('pong data both.mat')
    - pongTrendWindowCom(CombinedTablePlus)
  + Standard Deviation Stability
    - load('pong data both.mat')
    - pongTrendSampleSize(CombinedTable)
  + Distribution Histogram
    - load('pong data both.mat');
    - rallyTrend1Ttest(CombinedTablePlus);
  + Paddle State Distribution
    - load('current\_data\_mutual\_info\_3.mat')
    - stateHistogrames(paddleDataSep2, 0)
  + Position of Paddle
    - load('current data 2.mat');
    - paddleData = GenPaddleData2(CombinedCurrentPlus,defults);
    - paddleTracking(paddleData);
  + Standard Deviation Stability Baseline
    - load('pong baseline data.mat')
    - pongTrendSampleSize(CombinedTable)
  + Simulated Hit and Miss A
    - ballDistMatGen
    - load('ballDist.mat')
    - ballDistPlotterRatio(ballDist\_NoPaddle,2)
  + Simulated Hit and Miss B
    - ballDistMatGen
    - load('ballDist.mat')
    - ballDistPlotterRatio(ballDist\_Paddle,1)
  + Baseline Learning
    - load('pong baseline data.mat')
    - combinedPongRallyTrend(CombinedBaseTable,0)