TRIAL

* Frames (14640)
* FrameRate (120)
* Trajectories (1x1 struct)
  + Labeled (1x1 struct)
    - Count (55)
    - Labels (1x55)
    - Data (55x4x14640; sensor x dimenstion (x,y,z,**error**) x frame)
    - Type (55x14640; matrix filled with ones, which some twos)
    - TrajectoryType (1x55; Measured/Mixed)
  + Unidentified (1x1 struct)
* Analog (1x3 struct)
* BoardName
  + ChannelNumber
  + Labels
  + Data (64 or 24 x 14640)
* Force (1x21 struct)
  + ForcePlateName
  + Force (3x14640; **Dimensions?**)
  + Moment (3x14640)
  + COP (3x14640)
  + ForcePlateLocation (4x3)

Questions:

* Where is the EMG and IMU data?
* Dimensions (ver arriba) 4th is error; not important
* StepError – Output; what is everything?
* StepParametersHuxham – Pos\_limit, Neg\_limit?
* System of reference? X,y? Units? (for ex: speed; m/s?) See output table. By default: mm and s
* WalkingSpeed: why pelvis as a reference?
* RunMultipleTrials: lines 15-17. Do you have the document?

Versions of the code prior my arrival:

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| --- | --- | --- |
| **Name** | **Old versions (lines)** | **My version (lines; + code modifications)** |
| AccuracyPlotting.m | 221 | Completely modified |
| Batchc3dExport.m | 94 |  |
| CalculateThreshold.m | 21 |  |
| CombineMOT.m | 102 |  |
| EMGGaitPlotting.m | 187 |  |
| EMGSingle.m | 213 |  |
| IKGaitPlotting.m | 375 |  |
| IKPlotting.py | ? |  |
| IKPlottingOptimized.py | ? |  |
| IMU\_Plotting.m | 225 (not used?) |  |
| IMU\_Plotting\_Functions.m | 549 |  |
| LocateHeelStrikes.m | 180 |  |
| LocateMarkers.m | 41 |  |
| LocateSteps.m | 157 |  |
| PerturbationvsStepWidth.asv | ? |  |
| PerturbationvsStepWidth.m | 116 |  |
| RunMultipleTrials.m | 130 | Completely modified |
| RunTrialData.m | 43 |  |
| SpeedPlotting.m | 73 |  |
| StepError.m | 115 | Completely modified |
| StepParametersHuxham.m | 144 |  |
| WalkingSpeed.m | 29 |  |