The data for the Proximal Distal Gradient Experiment is a file containing a MATLAB structure arranged in the following way:

PDG.Subjects %array of structures containing data for each subject

PDG.Subjects.name %name of subject

PDG.Subjects(i).Elbow %a structure for the data from the elbow condition of the i^{th} subject

PDG.Subjects(i).Wrist %a structure for the data from the wrist condition of the i^{th} subject

PDG.Subjects(i).Shoulder %a structure for the data from the shoulder condition of the i^{th} subject

*** each of the above structures is built in the following way:

PDG.Subjects(i).[condition].Trial %an array of structures containing data from each trial

PDG.Subjects(i).[condition].Trial(j).answer %the answer of the subject for the j^{th} trial, either "ref" or "stim"

PDG.Subjects(i).[condition].Trial(j).ref %a structure containing the specific data recordings for the reference surface in the j^{th} trial

PDG.Subjects(i).[condition].Trial(j).stim %a structure containing the specific data recordings for the stimulus surface in the j^{th} trial

*** each of the above structures is built in the following way:

PDG.Subjects(i).[condition].Trial(j).[surface].k % stiffness [N/m]

PDG.Subjects(i).[condition].Trial(j).[surface].delay % delay [msec]

PDG.Subjects(i).[condition].Trial(j).[surface].Position % position [m]

PDG.Subjects(i).[condition].Trial(j).[surface].Force % force [N]

PDG.Subjects(i).[condition].Trial(j).[surface].Time % time [sec]

PDG.Subjects(i).[condition].Trial(j).[surface].Boundary % boundary location