

Import_Data_From_Matfile

Imports specified signals from a Matfile.

```
Import_Data_From_Matfile  
/SIGNAL_TYPES=  
!/SIGNAL_FOLDER=PROCESSED  
/SIGNAL_NAMES=  
/FILE_NAME=  
/MATLAB_NAMES=  
;
```

This function expects the .mat file to have a specific input. For example, within MATLAB, we write and run the following script:

```
array = linspace(0,10,100);  
importThisData = {sin(array)};  
  
FRAME_RATE{1,1} = 180;  
ANALOG_VIDEO_FRAME_RATIO{1,1} = 0;  
FILE_PATH = {'C:\Users\Public\MATLAB\Sub01_Walk001.c3d'};  
  
matDirectory = 'C:\Users\Public\MATLAB\Sub01_Walk001.mat';  
save(matDirectory,'importThisData','FILE_PATH','FRAME_RATE','ANALOG_VIDEO_FR  
AME_RATIO','-v6')
```

What is really important is the FILE_PATH. Within your Visual3D workspace, you will presumably have loaded some .c3d files (in this case, Sub01_Walk001.c3d). The address under FILE_PATH must match the location of the original .c3d files, even if that path is different from the path of the Visual3D workspace. If the Import_Data_From_Matfile command executes but doesn't create or populate a folder in the Visual3D workspace, check the FILE_PATH.

FILE_PATH is different from FILE_NAME, which should be the path to the .mat file you wish to import data from.

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