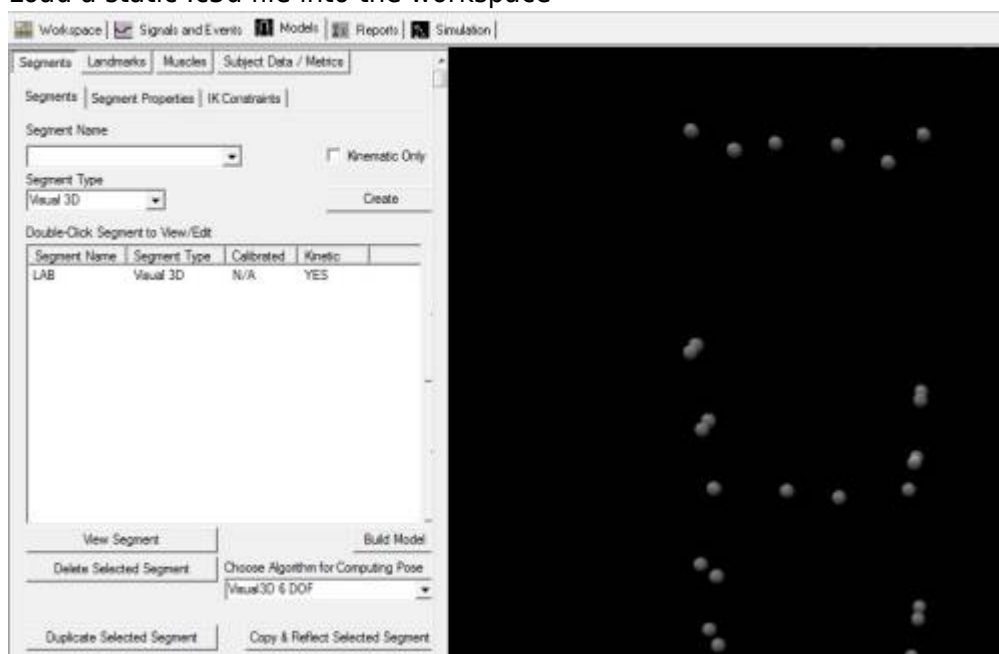


Create a Functional Joint at the Right Hip

This example tutorial provides an overview of the process for creating functional joints. The [general process](#) is illustrated by defining a functional joint for the right hip, e.g., the joint between the Pelvis (RPV) and Right Thigh (RTH) segments.

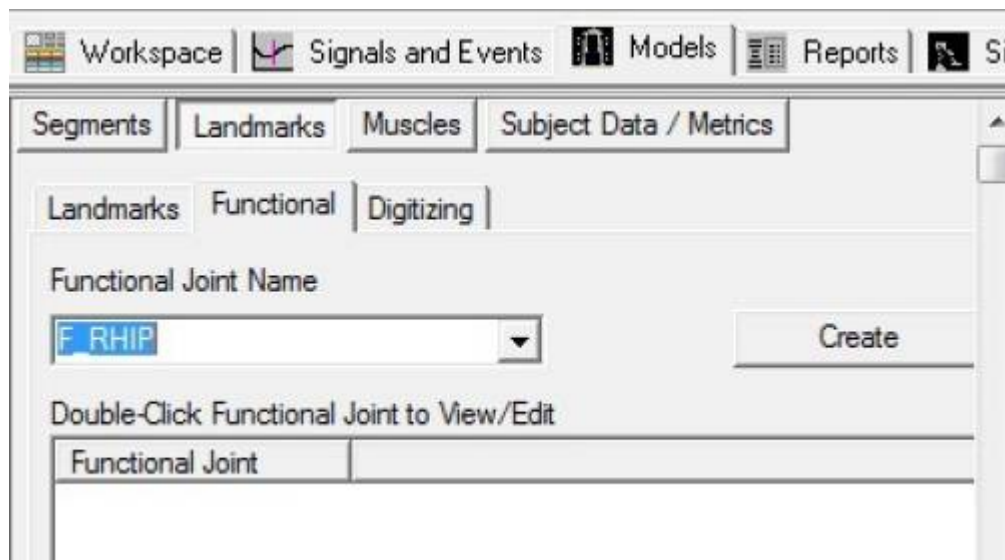
Static File

1. Load a static .c3d file into the workspace

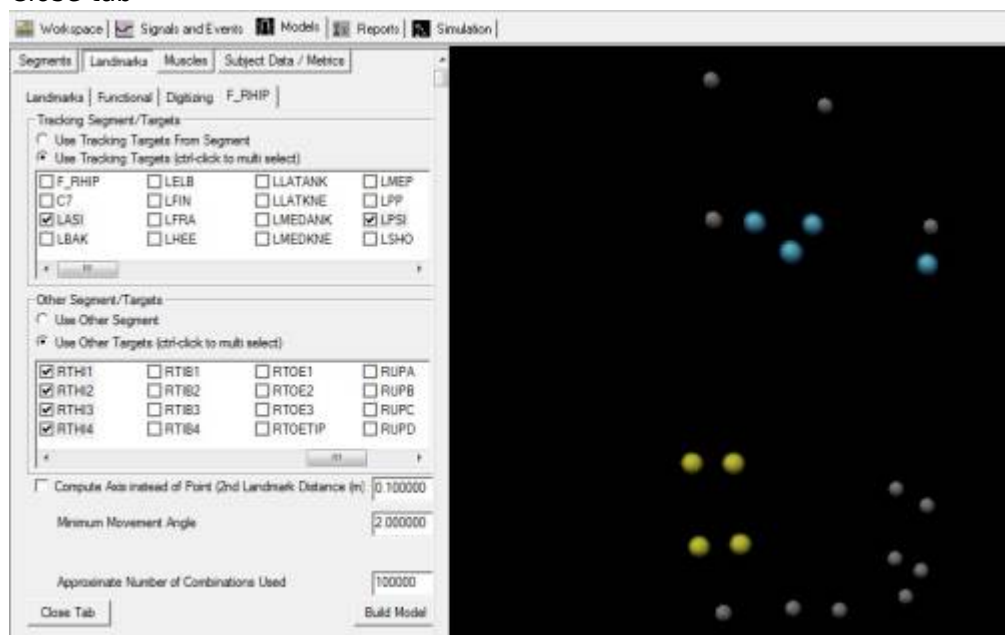


Creating the Functional Joint

1. Create the F_RHIP
 1. In the **Models Tab**
 2. Click the **Landmarks Button**
 3. Select the **Functional Tab**
 4. Select F_RHIP from the dropdown
 5. Click **Create**



2. Select tracking targets
 1. RPV targets
 2. RTH targets
 3. Click **Build Model Close**
 4. Close tab

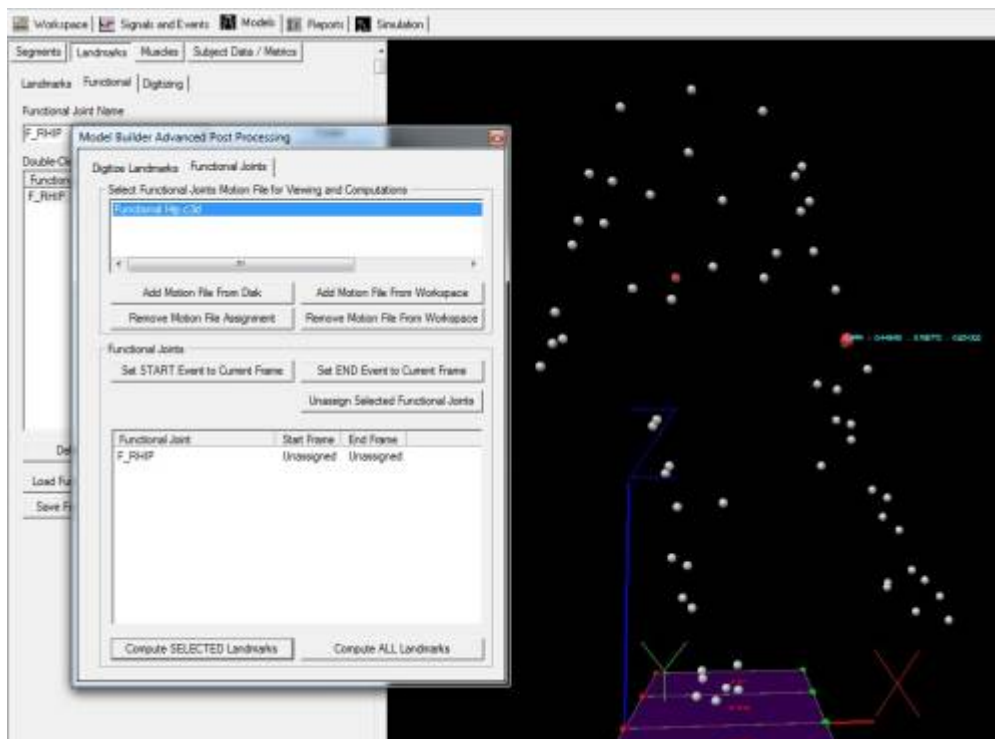


Post-Processing

1. Click Post Processing Button

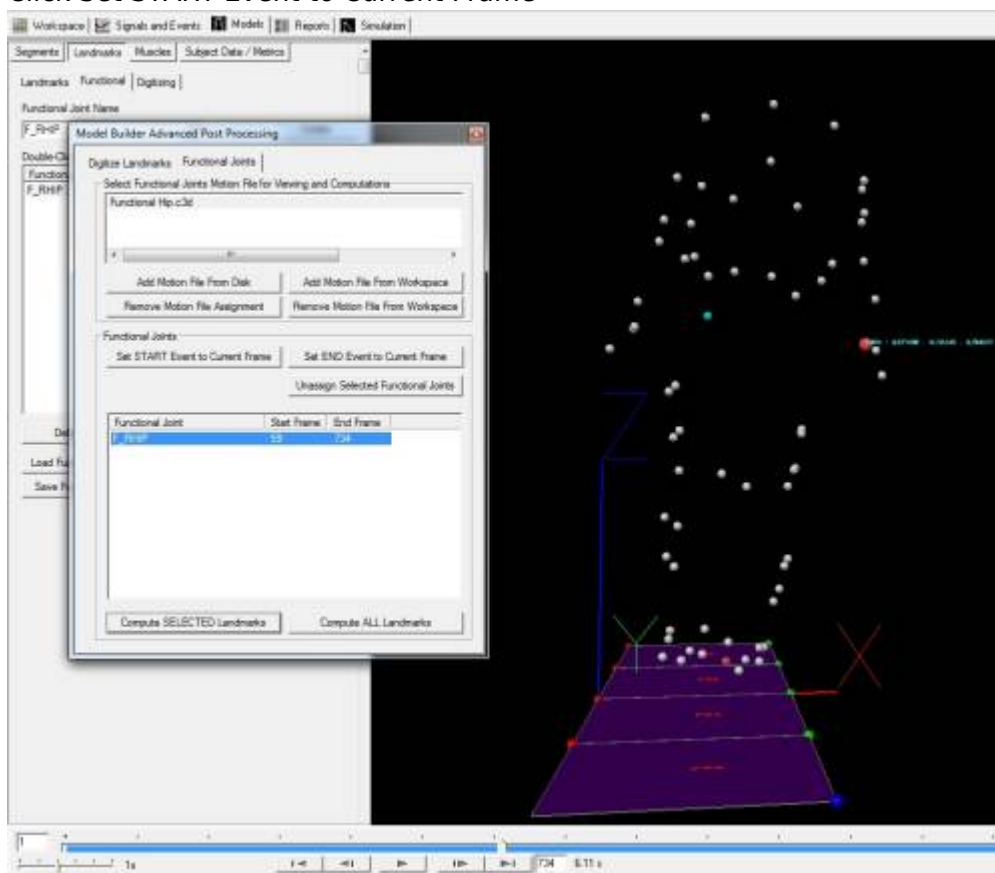


2. In Post Processing dialog
 1. Open motion trial
 2. Select motion trial (when selected it should be highlighted in blue)



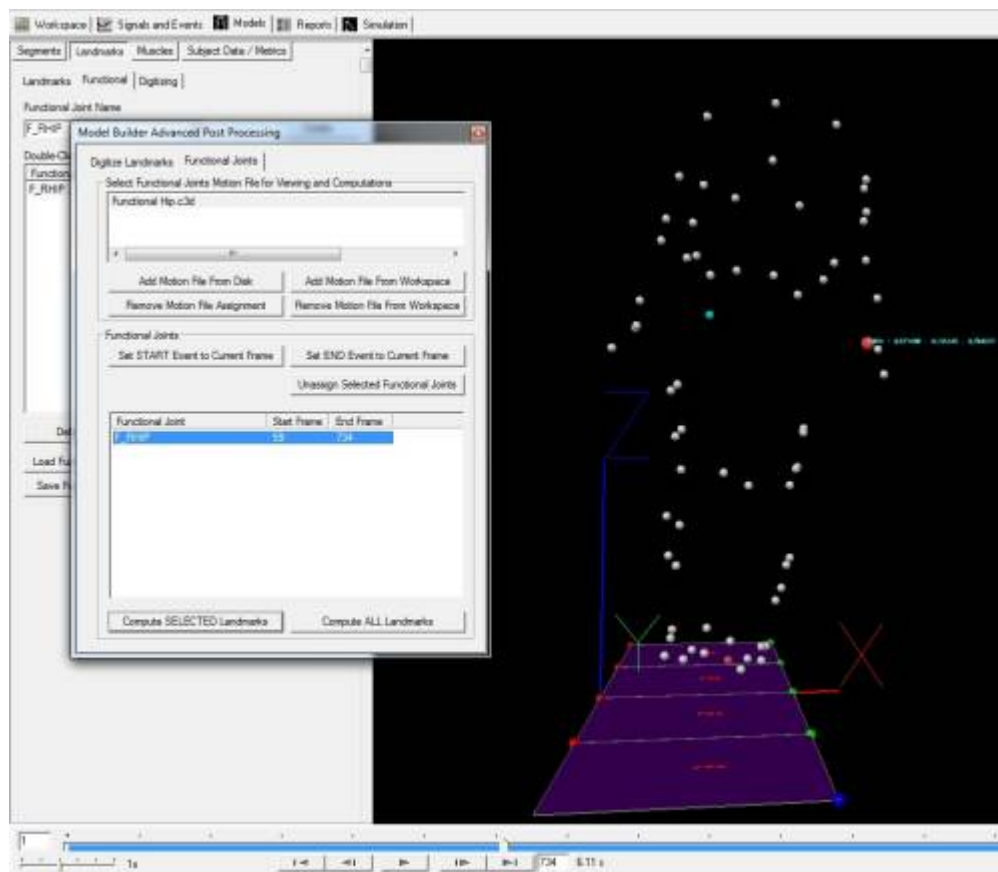
3. Specify Start Frame

1. Find the start frame of the functional activity using the blue slider on the bottom
2. Select the functional landmark (when selected it should be highlighted in blue)
3. Click Set START Event to Current Frame



4. Specify End Frame

1. Find the end frame of the functional activity using the blue slider on the bottom
2. Select the functional landmark (when selected it should be highlighted in blue)
3. Click Set END Event to Current Frame



5. Click Compute All Landmarks
6. Results will pop up
7. Click OK
8. Close the dialog box

Finish

1. The functional right hip landmark should appear in the 3D viewer

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