Dynamic fusion



Internship Week 23 Segmented Fusion 27th July 2017

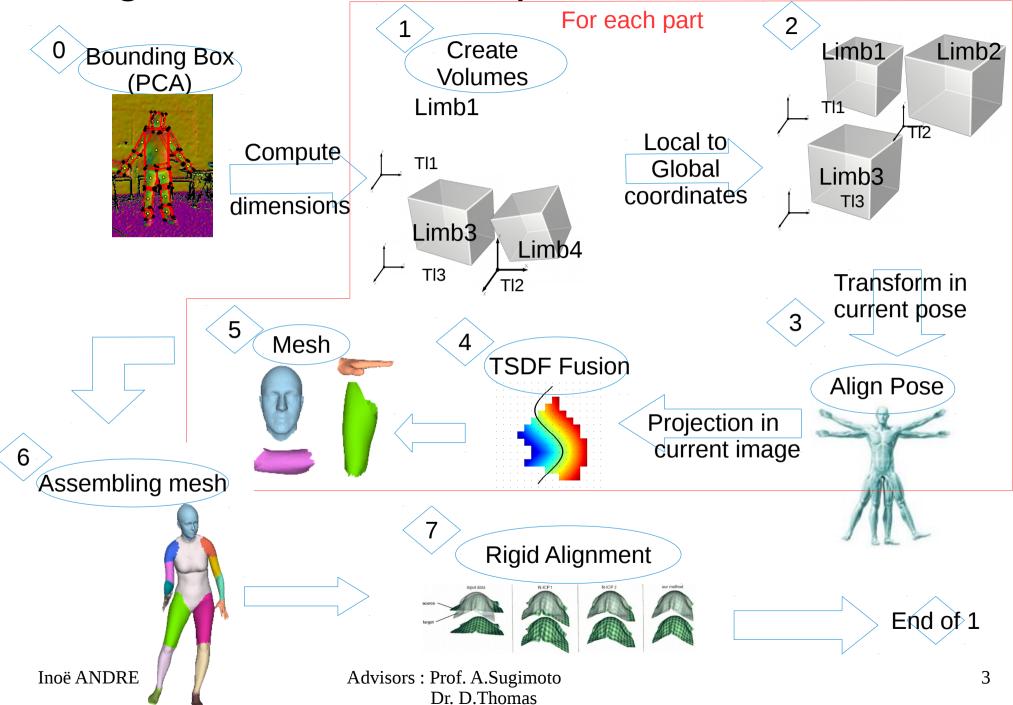
Advisors: Prof. A.Sugimoto

Ass.Prof. D.Thomas

Last meeting

- Previously
 - Stitching Puppet algo
 - Volume and local to global transform
 - Segmented fusion
- Plan for today's meeting:
 - Correct part based fusion
 - Add distance constraint on adjacent part
 - Clear explanation of Stitching Puppet

Segmented Fusion Pipeline



Naive Stitching results

Stitching image 15



Depth map chopped too!

To Get the neck: make the bounding boxes longer of 5 voxels and do not separated head from torso in depth image

Inoë ANDRE Advisors : Prof. A.Sugimoto
Dr. D.Thomas

Naive Stitching results

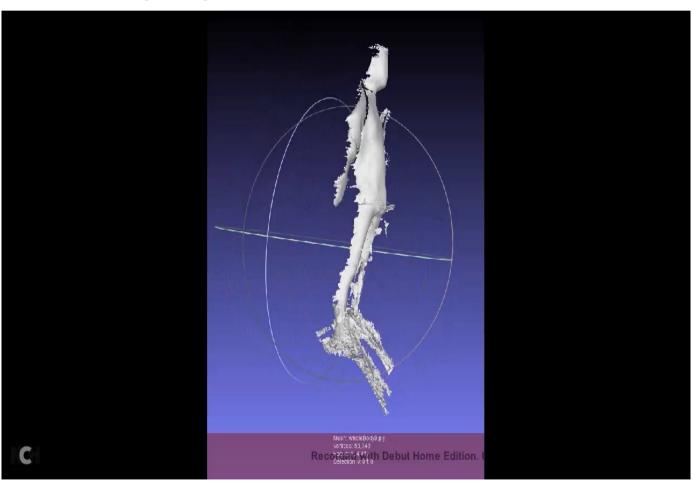
Last week bug



List of My_MC object instead of overwriting it

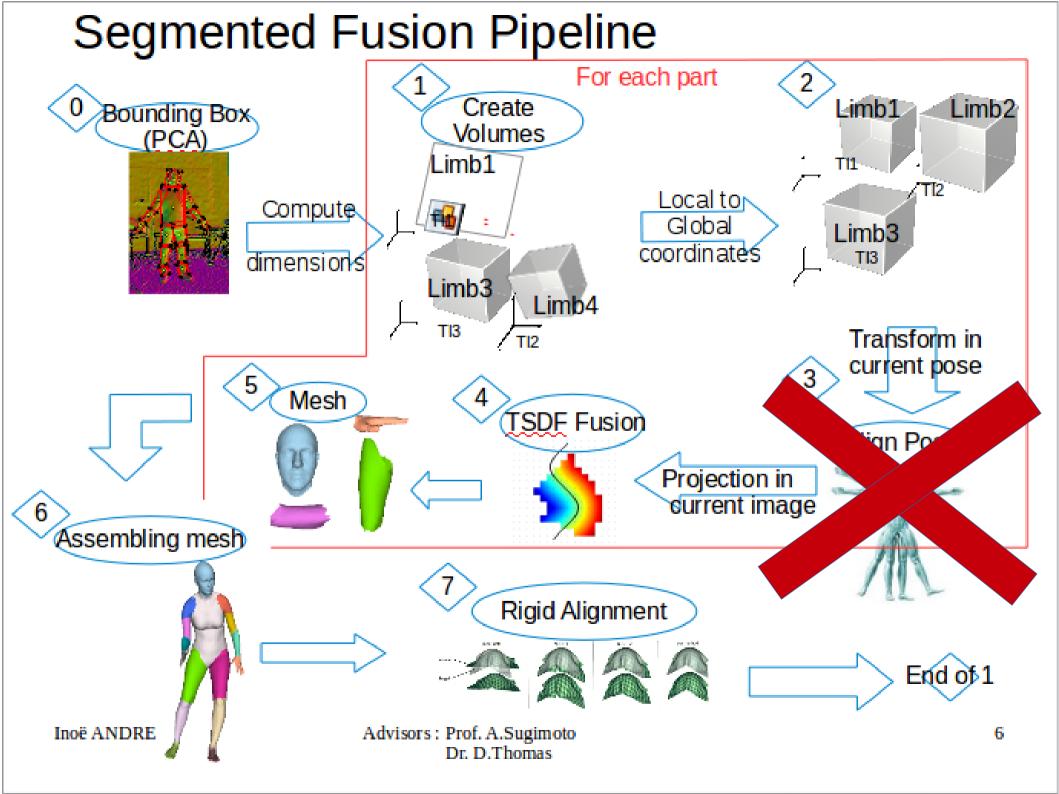
Segmented tracking results

Tracking image 0-9



Last week : in pipeline
Go back to 0 instead of end of
1.

Inversed orientation
T_loc → glo of the current image used for former mesh => inversion



Segmented tracking results

Tracking image 0-9 using tracking on T_loc → glo updated



Tracking error

Segmented tracking results

Tracking image 0-9 using tracking on T_loc → glo non updated

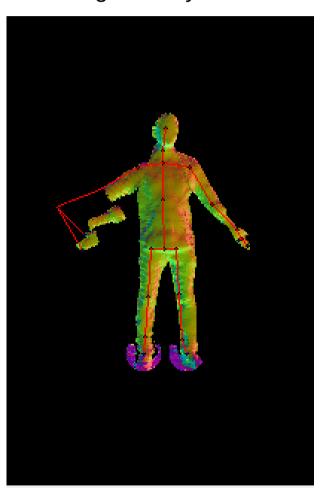


Still error in the tracking.
Seems like duplicate

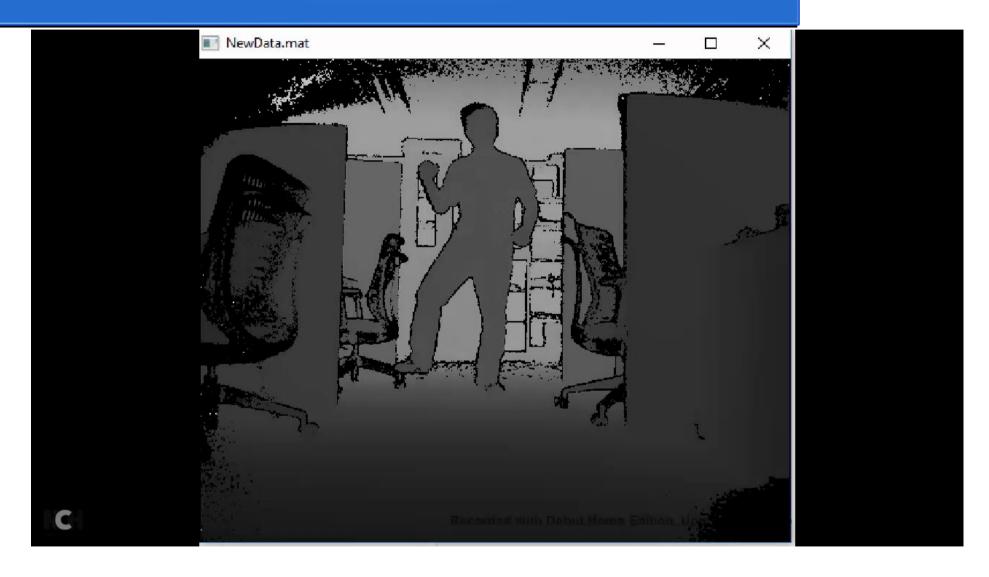
Tracking not adapted for each body part?

Moving arm results

Nothing realist yet



Dataset



Action plan

- Segmented fusion
 - Alignment
- Report for NII
- Report for Grenoble INP
- Joints