Thursday, 2 Nov 2017, 11AM, Chris’s Office

Present: Chris, Gib, Hashem, Jagir

**To do lists:**

- Optimisation Report is complete now (Urgent)

- Add notation part on the beginning of the mesh paint report (can explain new terms)

- Registering all the meshes with the origin point and two axes (targeting a landmark for that)

- Fix the B.Cs. (Big value of the objective might be because of that)

Applying the same z level to all the nodes in Boundary condition

All the nodes in the Nodes in the axis length for B.Cs.

Solve with zero growth rate

- Hierarchal method of solving the problem might be considered (deferred)

- Mesh paint report is modified with Jagir’s help, (almost 50%, the rest is still remaining)

- How to run in parallel or how to use NeSI (deferred)

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**Issues and topics discussed in meeting:**

Nodes are not supposed to be displaced, the effect will be an external force, therefore elastic solver tries to put back that effect.

If models are completely registered, they may have a better reaction to the applied growth

Applying zero growth may be useful in finding if the growth works properly or not?

Having the displacements being applied gradually may also provide a flexible stimulation.

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**Next Week’s plan:**

- Complete the optimisation report (bring the early results of hierarchical modelling + what B.Cs?)

- Thinking about how the problem of visualisation can be solved (Failed before and deferred)

- Try to get answer from the first layer, as the solver could not handle free or forced displacements

- Deriving the early results of hierarchical modelling

- Getting an account from NeSI, more complex problem will not be solved easily by these machines

Meeting closed 12:02.