Thursday, 9 Nov 2017, 11AM, Chris’s Office

Present: Chris, Gib, Hashem

**To do lists:**

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

- Thinking about how the problem of visualisation can be solved (Failed, Deferred)

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

- Deriving the early results of hierarchical modelling (Wednesday)

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

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**Issues and topics discussed in meeting:**

I described how I have combined and approached to the answer with the first layer and letting it running for the rest of the layers using ALPSO.

How we should balance the weight of coordinates and length indexes in the objective presented.

We were discussing the issues with the Boundary conditions.

We had a quick mention on the visualisation problem, (scale factors are describing the length of the mesh lines)

Results of applying old condition also showed up, the only answer we could get from forced displacement B.Cs.

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**Next Week’s plan:**

- Boundary condition should not apply external force, it just need to constraint the model and letting it grow. (Urgent)

- Prepare the final form of the mesh paint report, send to us before submission. (Due next Friday)

- Result of the hierarchical needs to be presented more clearly, better meaning (more details on nodes and lengths).

- Visualising the undeformed, deformed, and target mesh altogether using different regions (look at cmgui examples).

Meeting closed 11:59.