Thursday, 26 Oct 2017, 11AM, Jagir’s desk

Present: Chris, Gib, Hashem

**To do lists:**

- Checking if the model can be solved in smaller pieces (Might not be a useful idea)

- Optimisation Report is complete now? (Ongoing)

- On the paint mesh report: Add notation (for terms) + Still ambiguous (maybe Jagir can help more closely in writing some parts) (Ongoing)

- Work with the B.Cs. (Ongoing)

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

- Create a courser model as an alternative for the solving smaller pieces (Done)

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**Issues and topics discussed in meeting:**

A brief introduction about the works have done in previous two weeks provided at the beginning.

Then we discussed about how the meshes of different stage should be registered with origin point and two directions.

Another issue discussed was about the B.Cs. and how AddNode, SetNode, or UpdateNode will be used.

The early results for the objective function seems very high, needs to be closely watched for each node or line length.

Also hierarchal method of solving the problem discussed. To derive the optimisation factors layer by layer.

NeSI needs to be used, otherwise each simulation needs a lot of time.

At the end the issues of updating fields before reading the nodes and lengths checked in the code.

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**Next Week’s plan:**

- Optimisation Report is complete now? (Urgent)

- Add notation on the paint mesh report (Urgent)

- Registering all the meshes with the origin point and two directions (Urgent)

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

- Hierarchal method of solving the problem might be considered.

- How to run in parallel or how to use NeSI.

Meeting closed on 12:06.