Minutes of Meeting

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| Date : 5 April | Location : Chris’s Office |

# Attendees: Gib, Jagir, Chris, Hashem

# Agenda:

* Transformation
* DM BC
* Visualisation

# Hashem’s action items

Action items are carried over across meetings, even if they are completed/abandoned

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| --- | --- | --- | --- | --- |
| No | Item Description | Date allocated | Date completed | Remarks |
| 1 | An optimisation problem is set up to find the best transformation which brings the minimum RMS error of the whole mesh. |  | 4 April | done |
| 2 | Qurternion formula is used to reduce the number of variables from 6 to 4 for rotation. Different answer. |  | 5 April | done |
| 3 |  |  |  |  |

# Thesis writing progress

List of planned thesis chapters, major sections and their progress

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| --- | --- | --- | --- |
| Chapter No/Title | Progress % | Target Completion Date | Review/Comments |
| Chapter 0, 1 | 80 | Need 2-3 days | Updated |
| Chapter 2 | 60 | Needs 5 days | From the old file |
| Chapter 3 | 50 | Needs 10 days | From the old file |
| Chapter 4 | 10 | Needs 10 days | Only structure |
| Chapter 5 | 60 | Needs 5 days | From the old file |
| Chapter 6 | 10 | Needs 10 days | Only structure |
| Chapter 7 | 30 | Needs 3 days | Updated |
| Appendix | 40 | Need 4-5 days | Growth documentation |

# Major decisions

* We need to only find a transformation to transform the meshes, which only cares about the DM BC. No optimisation is required. Only a transformation is required. 6 variables in symmetric condition.
* There might be some feedback from the list of the third party proof readers.
* Try to use HPC6, again. See what are the errors, what dependencies are missing and what else needs to be done in terms of (I should know how to have OpenCMISS on hpc6).

# Remarks

The best way to visualise the rates are to show them as Stretch and Growth rates.

One can show the temporal rate on each region, and the other one can show the total stretch so far in that regions during the stages of the development.

As we cannot have the rates in proper order to fit the deformed stages, the rates cannot be accumulated in the sub-stages, as they are bringing the answer themselves.

The documented code will be different from the code that goes to the Appendix. Normally appendix does not need pictures are extra formulation.