**Thursday: 22 Feb 2018, 11-12 AM, Chris’s office**

**Presents: Jagir, Gib, Chris, Hashem:**

**To do list:**

Trying to plot the traction force from the DELUDELN field (Thursday)

Start documenting the growth code with jupyter based on the available examples. (passed Wed Night)

Trying to plot a field from the growth rates as a growth field on nodes. (deferred)

**Issues which are discussed:**

* When plotting traction force, as a composite from the DELUDELN field, it will have hydrostatic pressure as well, therefore, it is not the pure reaction forces. We need to be able to see the regions which are covered by the DM BC, while the rest of the mesh is more neutral from the forces.
* The idea of interpolating from the elements on the nodes are not valid anymore, and we should define versions for each node carrying the value of around elements.
* We need to provide some more detail on the beginning of the code documentation which introduces the problem and then go through the details. Similar samples are available in the documented examples. The problem needs to be fully described.

**Plan for the next week:**

Trying to define the versions on nodes and provide the growth factors of the

Find it out why the traction forces get negative values near (V region on the of DM)

Thinking of a way to show the components of the traction force with arrows in CMGUI (Richard might be able to help)

Re-run the simulations with ALPSO for sub-stags after 16, as there was a bug in BC on top ring

Monitor the results of the rest of them, and run SLSQP for those ones who are in a good range of answer.

We are apparently on track of documenting the growth code with jupyter. Maybe a third party needs to read it. Similar examples from the OpenCMISS previous works are provided from Chris.