**Thursday: 15 Feb 2018, 11-12 AM, Chris’s office**

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

**To do list:**

* Increasing the number of sub-stages (doubled, 0-8 launched Friday, 8-16 Monday, 16-24 deferred as the BC is not finalised yet)
* Segmented V-shape + DM BC, to be studied again and applied. (Thursday and Friday)
* Solve the fitting problem. (Unable to solve)

**Issues which are discussed:**

* We discussed some segment violation errors that we were facing in solving the fittingGrowth problem. This means that we need to have to transfer the growth rates from Gauss points to the node points on the mesh. Then we can visualise them in a field with cmgui. Rates are distributed element-based not gauss-point based, therefore they can be interpolated easier than the fitting problem.
* We also to see the traction force on the nodes to see if the boundary condition is applied on the proper point or not. This can be done by reading components of the DELUDELN field as composite in CMGUI.
* We need to have the growth code documented in a way that anyone else being able to go through the whole process. This means that the code will be available after the student leaves. And also it can be documented in the OpenCMISS docs. There are many parts of the code which are not clear if not being documented.

**Plan for the next week:**

Trying to plot the traction force from the DELUDELN field.

Installing jupyter and start documenting the growth code with jupyter. Guidelines are available on the web.

Trying to plot a field from the growth rates as a growth field on nodes. Maybe interpolate out of the code with the results on nodes and then create a field and try to plot it.