Thursday, 11 Jan 2018, 11AM, Zoom Meeting

On Zoom: Gib, Hashem, Jagir, Chris

**To do lists:**

* Report passed (Sunday)
* Results of the rates of the first stage are ready for the 4x4 coarse mesh (Holidays).
* The efficiency of ALPSO in using different swarm sizes briefly described in the report (Holidays).
* 2D contours of the growth rates with linear interpolation is plotted (Wednesday).
* Reading ALPSO results in a dictionary (deferred)

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**Issues to be discussed:**

How to apply B.Cs. based on Le Garrec’s paper…

* Nodes in the connecting region need to be fixed in x, y direction and derivatives.

Comparing the rates on time or on the space and visualising them on the mesh surface may help.

Some discussion were about the functionality of the ALPSO in terms of using different swarm sizes.

We have solved for the growth rates in first stage for only myocardial layer and whole heart thickness, do we need to carry on with both?

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**Next Week’s plan:**

Visualise the rates on the main body mesh from fitting lambda field on the growth example

Finding a relation on the space

Thinking about the methods of how we can pick the best methods

Run some simulations for the next stages with MCC boundary conditions on hpc2

Solve all the sub-stages with SLSQP again with an open bound

Reading ALPSO results in a dictionary