**Report over the Crystal – UROP project**

**https://github.com/aib13/crystal**

**2) Meeting Friday, 11th July:**

I am currently working on Wael’s code and project, which is “Crystal: Identifying structure in quad meshes”.

The problem with Crystal project is that when detecting the cell structure, the algorithm is failing because of the ordering in which are traversed the cell’s neighbors.

During this week I have found 2 different orderings that give different results on the airfoil.dat mesh and proved through them, that the algorithm is sensible to orientation.