Code Overview and Notes

Validation and Animations

Run-time analysis

Runtime results are collected from ######### processors on the CX1 HPC. Repeats ################.

The times are measured from after MPI has initialised to when processor zero has finished, it includes the initialisation of GOL\_grid and saving of each iteration. As this implementation uses peer to peer communications, hence the only serial part of the code is on processor zero for timing and creating the \_config.txt which is virtually negligible to the run-time so we expect good scaling with number of processors.