

Compile/Running Guide

- Each Program directory contains its own Makefile.
- All compile initializations exist in the compile.mk file in the External_Functions directory.
- The .gitignore is set to ignore all output, error, and executable file extensions when committing

Compiling

- Most programs have multiple compiler options.
- To swap between them, see the compile.mk file.
- Compiling assumes a cluster environment with basic environmental variables initialized.
- In any other case some loads/includes might be required in the compile.mk file.

Compiling

- To compile a subdirectory of the project, run
 - ❖ 'make' in the corresponding directory
 - ❖ ./Global_make.sh "Subdir" in the root directory
- To compile the whole project, run
 - ❖ ./Global_make.sh -all
- Any changes in the internal directory layout need to be updated in the subdirectory Makefiles.

Running

- Each Program subdirectory contains a readme.md file with the program's tested environments.
- The tests were run on the ARIS HPC clusters, and thus the slurm submit files might require some changes in order to run on other systems
- Each program's output files are generated in its own subdirectory
- The 'Outputs' directory contains some helpful scripts for running, debugging and graph plotting, and some performance graphs