Contents

1 Sat

A HPol Loop

a) Started working on HPol loop locally, will regularly push to Github.

2 Sun

A HPol Loop

a) Working on HPol loop part A.

b) TODO: learn about git `submodule` (for `Shared−Code/GA`)

c) From https://stackoverflow.com/questions/17683458/how-do-i-commit-case-sensitive-only-filename-changes-in-git, regarding Github file name change:
`git mv −f yOuRfIlEnAmE yourfilename`

4 Tue

A HPol Work

(a) GA

a) Back to going through the GA c++ files.

b) There has to be a way to improve `DataRead()`. The file currently has an `if` check inside a `for` loop, probably not the most efficient way to do this.

6 Thu

A HPol Work

(a) GA: DataRead.h

a) Finished modifying `DataRead.cpp` and pushed to Github.

b) The part that reads `fitnessScores.csv` inside `DataRead.cpp` only reads the first column. **TODO:** figure out what the second column of `fitnessScores.csv` is (in PAEA there are three columns actually)

8 Sat

A HPol Work

(a) GA: Sort.h

a) Started modifying Sort.h.

9 Sun

A HPol Work

(a) GA: Sort.h

a) `original_location` and `t` are probably not needed at all? Check again and get rid of these.

b) Actually not sure where we obtain `parent_location`. It doesn't seem like `DataRead.h` provides this vector. And the whole `original_location`-stuff just seems weird. Is this part of the program incomplete?

10   Mon

A   HPol Work

(a)   GA: Sort.h

  a) Finished editing `Sort.h` and pushed to Github.

  b) Will discuss the issue mentioned in yesterday's log during the meeting today.

B   Monday's Meeting

  a) From Ezio, regarding creating a remote `hpol` branch and allowing others to review the changes:

> you can push your local branch with "git push origin your-branch" and it will show you a link to create the PR on GitHub. Once you create the PR you can keep adding commits to the branch and push them and it will update the PR.

11 Tue

A Git

a) A good video explaining how to squash git commits using `git rebase −i <#>`
https://www.youtube.com/watch?v=RwvTrSm7zEY

B HPol Work

(a) GA: Sort.h

a) ~~Will test today if this still produce the desired result since I removed the vector `original_location` and int `t` yesterday.~~

b) tested the above; the script works just fine.

c) Following Ezio's advice, stop making extraneous changes on the HPol branch. Will make a patch branch to poke at and destroy and leave HPol alone until XF work is more or less done.

C Clean Work

a) Started a new branch based on `Hpol` (base commit is `HPol Pause`) called `clean` locally. I will use this branch for my own understanding, possibly cleaning up the scripts as I go over them.

b) From Ezio, regarding the workflow of GENETIS (in a closed pull-request at https://github.com/osu-particle-astrophysics/Shared-Code/pull/24)

> 1 create a local branch with some commits
> 2 push the branch on GitHub (git push origin your-branch) and create a PR
> (it gives you a link to create it after the push)
> 3 wait for reviews and comments
> 4 add more commits to the local branch to address the reviews/comments
> 5 push them to GitHub (git push origin your-branch, without forcing/squashing/rebasing) – the PR will update automatically to include the new commit
> 6 repeat steps 3-5 until the PR is approved
> 7 click on the squash merge button on GitHub to merge the PR on main

12 Wed

A HPol Work

(a) Loop

a) Looking into the various `Part_B1` scripts and the corresponding batch job.

13 Thu

A HPol Work

(a) Loop

a) Finished cleaning up `Part_B1`

b) Setting up HPol skeleton for `Part_B1`

c) Fixed Part A GA call error (when design is bicone)

d) Now using submodules for `Shared−Code` (more info in HPol repo's readme).

e) Started looking into `Part_B2`