

Sprint Retrospective Meeting Minutes

Attendees: Christopher Kverne, Nathan Lioe-A-Tjam, Isabella Anthony

Start time: 02/22/25 6:35pm

End time: 02/22/25 6:55pm

Snapshot of the recent sprint that was done.

- Task Status
 - Completed: 8
 - Carried over: 0

Reflection of the last sprint.

- Christopher
 - What went well: The theory section of the paper is close to complete as our contributions show why QNG fails, the convergence of Geodesic-QNG, additionally we have derived the tightest upper bound on the Riemann Hessian constant for VQAs.
 - Things to improve: Writing needs a lot of polish for submission to NeurIPS. Additionally we need to extend our experimental results further to G-QNG as we have mainly worked on QNG.
- Nathan
 - What went well: We made more significant progress in the research project and everyone was able to complete tasks in a timely manner. Moreover, communication was as good as always. I planned better and was able to run more experiments.
 - Things to improve: Do more experiments on QAOA to see if our theory checks out.
- Isabella
 - What went well: In this third sprint we had good communication. Everyone's contribution has made it very easy to collaborate and get results for the problem we are trying to solve. On top of that, I have completed my tasks on time. In this sprint we had another in-person meeting hosted by Christopher where we went over future experiments that we need to run and some rationale behind our research as well.
 - Things to improve: For the upcoming sprint, I will plan extra time to account for training time needed in my day to ensure I am contributing effectively. This is necessary because coding, debugging and training are time consuming tasks.

Tasks pending from previous retrospect:

- None

Tasks that were rejected and assigned to a future sprint. What are things that need to be done for the next sprint?

- None

Task/Action	How do we know if it's done
-None	-None