

18-645/SP08: How to Write Fast Code

Assignment 9

Due Date: Fr Apr 11 6:00pm

<http://www.ece.cmu.edu/~pueschel/teaching/18-645-CMU-spring08/course.html>

Homework submission. *Submit the homework as pdf. Name your file '18645-assign9-userid.pdf' where 'userid' is your andrew user id. The .pdf file must include all plots and figures. Do not put the .pdf file in a zip or tar archive - attach it separately. Send it to <schellap+18645-assign9@andrew.cmu.edu>. In addition to the electronic copy, you must also submit a print-out of your pdf to the TAs at PH-B10 or to Carol Patterson at PH-B15.*

This week you will continue your research project. The goal is to further improve the performance using techniques from the class or techniques that your project advisor (one of Fred, Vas, Franz, Markus, as listed on the course website) suggested.

1. Write a short summary (about 1/2-1 page) describing what you did in this week in your research project.
2. After that summary add at least one performance plot. The plot contains all previous performance lines and should have (at least one) new line corresponding to the new (hopefully faster) versions that you have. Follow the guide to benchmarking. This includes a (at least brief) discussion of the plot.
3. At the end add 2 or 3 sentences on what you plan to do next.
4. So the total length of the document will be about 2 pages.
5. Feel free to get in touch with your project advisor or the TAs for problems and questions (e.g., in the office hours).
6. The above tasks may take a slightly different form in some research projects.