

Homework 6: Due Tuesday, April 1

New submission instructions. Please read carefully!

Homework 6 is due on Tuesday, April 1.

Please submit *two* files on Blackboard:

1. A zip file containing all your code. For this assignment, that should be CUDA and the code that calls the CUDA code. If it is all in one file, upload that one file.
2. A pdf file of your report that describes your optimizations and results.

There is no need to hand in a paper copy of your report.

This homework asks you to optimize your CUDA code from Homework 5. You should use shared memory, and any other techniques to make your code run as fast as possible. In your report, describe the techniques you used, and the speed up you obtained over the base implementation. Explain what optimizations worked and why.

You may start from your own CUDA code or from the solution posted on Blackboard.

There is a new image available for this assignment: `ansel.ppm`. Run your experiments on this new image.