Extra Credit Topics for Project 2
(how you can speed up Poisson Blending)

★   Implement **successive over relaxation**.
- See [this article](#).

★ ★   Implement **caching** using `__shared__` memory.
- See the [class notes](#) on caching.

★ ★ ★   Solve the linear system with **conjugate gradient**.
- Read [this article](#) on conjugate gradient.

★ ★ ★ ★   Solve the linear system using **multigrid**
- See [this article](#).
- You might find [this more advanced paper](#) interesting.

★ ★ ★ ★   Use an **alternative interpolant**.
- For example, [try this one](#).
- Or invent your own!

Note: To receive credit for each of these, you should include a text file which informally measures the speed increase you get from using the method. For example, you could measure convergence by saying the sum of squared differences between successive frames has dropped below some small epsilon, and see how many iterations your method takes to converge.