

ECE 759
Array Reduction

The **ArrayReduction** folder should contain all the changes and additions you have made to the source code. In addition, it should include a **pdf** file with your answers to the following questions:

1) How many times does your thread block synchronize to reduce the array of 1024 elements to a single value?

Since we divide the total number of elements by two in every iterations, the thread block synchronizes 10 times in our program.

2) Over the life of the program, how many warps will be adversely affected by warp divergence? Warp divergence happens when threads within a warp take different code paths through the program.

Over the life of the program, five warps will be adversely affected by warp divergence.