

Nima Darbandi - 811296007

Lab 5 Report

a. Which CUDA machines have you tested?

Cuda3

b. Can your program compile properly?

Yes

c. Is your program working correctly and did it pass the test?

Yes

d. Describe how you handled arrays not a power of two in size and all performance-enhancing optimizations you added.

By checking mem boundaries.

- unfolding instead of using while for nested scans of block sums.
- Multiple adds and loads per thread
- Using shared memory and Memory coalescing