

UCS 645 : Parallel & Distributed Computing

Lab Exercise #6

Learning Outcomes:

- **Understanding and implementation of CUDA .**
1. Square root of vectors is a more expensive operation than vector addition and multiplication.
 2. Make a CUDA program that computes the square root of $A[i]$ and stores the results in $C[i]$.
 3. Run it using 50,000; 500,000; 5,000,000; and 50,000,000 array elements. As before, record the timings for each of these in your spreadsheet, and create charts to help us visualize the results.