University of Nevada, Reno

Programming Assignment 2
Vector Reduce

Assigned Date
1/29/2015

Due Date
2/5/2015

Overview
- For this assignment, you will start with a vector and then sum all of the elements of that vector.
  - Warp wise reduction
  - Block wise reduction
  - Then reduction across blocks.
  - You will have to use barriers at the appropriate place

Project Requirements
- 2 versions of the code:
  - A compiled and running sequential C program
  - A compiled and running CUDA program
- Multiple timings of runs of various sizes.
- Appropriate graphs

Deliverables
- Bring output to class for discussion on the day the project is due.
- Have a pdf of your writeup and a zip of your source code emailed to Fred Harris and Lee Barford (DO NOT send binaries).
  - Firstname dot Lastname at … (Fred is cse, Lee is gmail)
  - Subject: CS791v-PA2
  - 1 message – 2 attachments (pdf and zip)