Lab-4: Loop-Level Parallelism

Wednesday, February 14, 2015
COMP 322, Spring 2015.
Goals – Part 1

-Get a better understanding of parallel forall loops.
-Understand the overhead of asynchronous tasks
-Use Chunking to mitigate task creation overhead
Instructions

Use Forall loops to increase parallelism of ImageNegative.

Use Chunking to reduce execution time of ImageNegative.

Refine solution fast enough to pass Unit Test.
Goals – Part 2

- Get familiar with Computation Graph visualization with HJ-Viz
- Write program to generate expected Graph
Instructions

Installation of GraphViz.
http://www.graphviz.org/

Execute HJ-lib programs and visualize graphs
- Run server locally
- View graphs on browser