# 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