EECS 583 – Project Deliverables

University of Michigan

November 18, 2019

Project Demos

- ❖ Each group 20 mins
  - » Each group member should say something
  - » Timing will be strict due to back-to-back scheduling
  - » Signup sheet available next class

- ❖ Recommended format: Combo of slides and some demonstration of your project
  - » Problem that you attacked
  - » What you built
  - » How it works
  - » Results
  - » Demonstration on an example – Live or canned

- ❖ Success
  - » What you built works
  - » Demonstrate some benefit on at least 1 [contrived] application

Project Report

- ❖ 3-5 pages, 2 column, 10pt font, single space
  - » You can use the figures/graphs from your slides
  - » Report describes problem attacked, some related work, what you did, how it works, and your results
- ❖ Email pdf to Sung, Armand, and I
- ❖ Deadline
  - » Preferably right after your Demo so we can look at it when it is fresh in our mind
  - » Final deadline: Dec 18, 5pm.

EECS 583 – Fall 2019 HW2 Contest Winners

Contest: Rules

❖ Correctness

  » Only eligible if your optimizer works on all correctness testcases

  » Had to implement removing uses of invariant loads

❖ Timing

  » Raw execution time: Average across 3 runs

  » Run on class machine (no other users)

❖ Winners

  » Per performance benchmark (must yield correct results)

  » Overall winner (Geo mean of speedups across performance benchmarks)

Contest Stats

- ❖ 21 contest entrants
  - » bgreeves, bingscha, chenlili, cheyulin, cnoujaimm, gefeizuo, huchris, jakehage, jcma, jiongzhu, leemoore, leulb, nwendt, panyj, qzzhang, rlmenge, ttengda, xingyuw, xinyunj, yianz, yfguan
  - » Record number of entrants!
  - » Great job all
- ❖ Speedups ranged from 0.8x to 5.9x
  - » Shows that fancy optimizations can backfire if not careful
  - » Shows can also push well beyond traditional optis

Overall Winner – Drumroll please!

- ❖ 10th place: Jiacheng Ma (1.8420x)
- ❖ 9th place: Yian Zhu (1.8422x)
- ❖ 8th place: Nicholas Wendt (1.843x)
- ❖ 7th place: Lili Chen (1.845x)
- ❖ 6th place: Qingzhao Zhang (1.849x)
- ❖ 5th place: Gefei Zuo (3.194x)
- ❖ 4th place: Benjamin Reeves (4.134x)
- ❖ 3rd place: Bing Schaefer (5.547x)
- ❖ 2nd place: Xingyu Wang (5.569x)
- ❖ **1st place: Jacob Hage (5.967x)**