ECS 154B Lab 5, Spring 2017
Due by 11:59 PM on June 3, 2017
Via Canvas

Objective

Analyze a given paper in the field of computer architecture and discuss the research in a short summary.

Instructions

Write a 500 to 600 word summary on the paper *Criticality Stacks: Identifying Critical Threads in Parallel Programs using Synchronization Behavior* by Kristof Du Bois, Stijn Eyerman, Jennifer B. Sartor, and Lieven Eeckhout of Ghent University, Belgium. The paper appeared in the International Symposium on Computer Architecture (ISCA) 2013. It has been provided with the archive you found this PDF in.

What you write must look like an summary, which means no bullet points or itemized lists. The focus should be primarily on:

- What the paper is addressing.
- The metric discussed within.
- The methodology the authors used to test their metric.
- How to use the metric.

Include you and your partners' names, as well as the word count near the top of the summary. Cite the paper that you are discussing using the following ACM citation:

> Kristof Du Bois, Stijn Eyerman, Jennifer B. Sartor, and Lieven Eeckhout. 2013. Criticality stacks: identifying critical threads in parallel programs using synchronization behavior. In Proceedings of the 40th Annual International Symposium on Computer Architecture (ISCA '13). ACM, New York, NY, USA, 511-522. DOI: http://dx.doi.org/10.1145/2485922.2485966

Grading

- 50% Summary
- 50% Interactive Grading

This is an assignment with partners, and with interactive grading. You will not receive a grade if you do not attend interactive grading.

Submission

Warning: read the submission instructions carefully. Failure to adhere to the instructions will result in a loss of points.

- Upload to Canvas a PDF file containing your summary.
- In the text submission form, write the names of you and your partner.
- Only one partner should submit the assignment.
- You may submit your assignment as many times as you want.
- You have 1 slip day to use for this assignment.

Hints

- Much like the rest of the labs, both partners are expected to know the paper. Do not have one person write the summary.
- In interactive grading, the TAs look for general understanding. We will not ask extremely specific questions, so focus upon the topics listed in the Instructions section.