

# Live Lecture Chat Window

## May 24, 2023

**15:11:35** What is the range for the probability that we're supposed to be getting?.

0% - 100% 😊

But, if you leave the line `#define PROJECT1` uncommented, you can test using the Project #1 numbers and see if you get the Project #1 probability. ~26.8%

**15:50:27** To clarify, is DGX another server we can ssh to similarly to rabbit and flip?

Yes, but it is setup differently. Read the DGX notes carefully.

**15:50:59** Do we need to specify what the output says about the machine chosen? I simply put the DGX and mentioned the sbatch conditions

If you run on rabbit or the DGX, that is all you need to tell us. We know what those machines are.

**15:52:01** Has anyone tested gaming performance with the DGX yet? Or is that not allowed by COE?

Nobody has and nobody will. Besides getting me in trouble with the COE, the Nvidia chips in the DGX are compute-only. They have no graphics capabilities on them. Sorry.

**15:53:59** Are there any big research projects you can tell us about using the DGX currently?

Biggest users right now are probably the machine learning people. Training neural networks requires a lot of computing. Other uses are data mining, bioinformatics, simulation, etc.

**16:12:16** Will Oregon State consider offering Machine Learning/Data Mining/AI to eCampus students?

I believe it's in the works. I will find out for sure.

**16:14:04** Graduating too early :(

I know the feeling. I would still be in grad school if they would have let me. Always one more class I wanted to take. But, remember you can still take these online classes even after you have graduated. And, many (most?) employers will pay for it since they have a vested interest in you learning new stuff.

**16:14:55** Link to OSU's new online Masters program:

[https://ecampus.oregonstate.edu/online-degrees/graduate/computer-science/?utm\\_source=google&utm\\_medium=cpc&utm\\_campaign=19505872953&utm\\_keyword=oregon%20state%20online%20cs&qad=1&qclid=CjwKCAjw67ajBhAVEiwA2g\\_jEDXJQoVNOuW2bgcQnYm-BnLiOBUMc0Zwe8a6tR6lCsjMfXQbXgvSlxoCiEgQAvD\\_BwE](https://ecampus.oregonstate.edu/online-degrees/graduate/computer-science/?utm_source=google&utm_medium=cpc&utm_campaign=19505872953&utm_keyword=oregon%20state%20online%20cs&qad=1&qclid=CjwKCAjw67ajBhAVEiwA2g_jEDXJQoVNOuW2bgcQnYm-BnLiOBUMc0Zwe8a6tR6lCsjMfXQbXgvSlxoCiEgQAvD_BwE)

**16:43:44 I'm curious if you had any thoughts on performance for project 5. I ran mine locally on my rig with a 3080, and comparing rough performance peaks with a few others on a similar GPU, I'm not getting nearly the peaks that they are (6k vs ~16k MT/S), and I'm curious if this could be due to a lower end CPU bottle-necking/slowing down the CPU side of things?**

Probably a combination of fewer CUDA Cores and slower CUDA Cores

It's been interesting for me to see how your definition of "lesser performance" has evolved over the last 8 weeks. 😊 You are different people than you were. Wow, I love this job!