Programming Parallel Computers

Aalto 2023

X0b: GPU experiments

Please note that you can still submit, but as the course is already closed, your submissions will not be graded.

To get started with the development, **download the code templates**, unzip the file, edit **freeform.cu**, and run `./grading test` or `./grading benchmark` to try it out — see the **instructions** for more details!

Upload your solution as a file here…

Please upload here the file **freeform.cu** that contains your solution to task X0b.

Choose File | No file chosen

… or copy-paste your code here

Submit

Your submissions

Your submissions to X0b will appear here; you can simply **reload** this page to see the latest updates.

What you will need to do in this task

Please read the **general instructions for this exercise** first. Here are the additional instructions specific to this task:

> If you want to see how our grading system will compile and run some arbitrary GPU code, please feel free to use this task. There are no tests, but you can run the benchmarks.

What I will try to do with your code

I will first run all kinds of tests to see that your code works correctly. You can try it out locally by running `./grading test`, but please note that your code has to compile and work correctly not only on your own computer but also on our machines.

If all is fine, I will run the benchmarks. You can try it out on your own computer by running `./grading benchmark`, but of course the precise running time on your own computer might be different from the performance on our grading hardware.

Benchmarks

Name	Parameters
benchmarks/1	x = 1

Grading

In this task your submission will be graded using **benchmarks/1**.

There are no points available for submissions to this task, but you can freely use this task for experimentation.