

Lecture 3



CUDA and OpenCL Introduction

How to get started



CUDA

- [CUDA C++ Programming Guide \(nvidia.com\)](https://nvidia.com/en-us/cuda/cuda-programming-guide/)
- CUDA Samples

OpenCL

- <https://www.khronos.org/opencl/>
- <https://github.com/KhronosGroup/OpenCL-Guide>
- <https://developer.nvidia.com/opencl>

Examples

- Bandwidth test
- Copy Compute Overlap
- Inline PTX
- Median/Sobel Filter
- Simple Multi GPU

Next time...

- Introduction to particle simulation