

Programming Parallel Computers

Lectures

Week 4

The lecture videos are available both on YouTube and on Panopto, in up to 4K resolution, with English subtitles. The slides are also available in the PDF format.

Lectures

[YouTube playlist](#) with all parts of the lecture.

Part 4A: GPU programming (13 min)

- [Lecture on YouTube](#)
- [Lecture on Panopto](#)
- [Slides](#)

Part 4B: GPU programming with CUDA (18 min)

- [Lecture on YouTube](#)
- [Lecture on Panopto](#)
- [Slides](#)

Part 4C: Memory access patterns in CUDA programs (15 min)

- [Lecture on YouTube](#)
- [Lecture on Panopto](#)
- [Slides](#)

Topics covered

- [Chapter 4: GPU programming](#)
- [Chapter 4, CUDA: getting started](#)
- [Chapter 4, V0: baseline implementation](#)
- [Chapter 4, V1: memory access pattern](#)

Additional material

- [Chapter 4, V0: OpenCL](#)

