

# Programming Parallel Computers

## Lectures

### Week 5

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 5A: Warps, blocks, and shared memory (11 min)

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

Part 5B: How does the GPU execute code? (17 min)

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

Part 5C: GPU programming — conclusions (8 min)

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

### Topics covered

- [Chapter 4, V2: reuse data in registers](#)
- [Chapter 4, V3: shared memory](#)

