Material Exercises

Programming Parallel Computers

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Lectures

Week 1 Week 2 Week 3 Week 4 Week 5 Week 6

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)

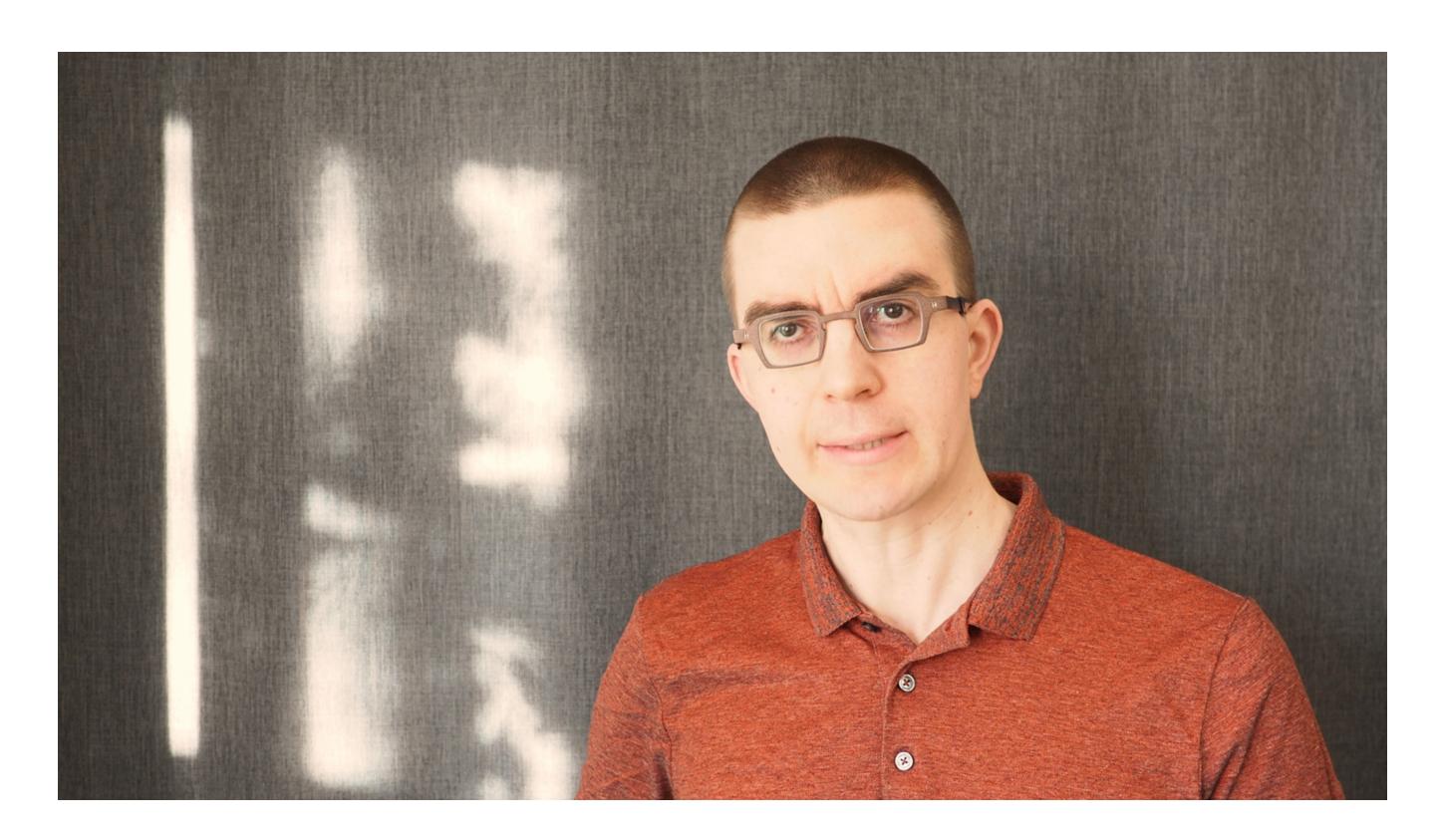
- Lecture on YouTube
- Lecture on Panopto
- Slides
- Animation

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



Week 1 Week 2 Week 3 Week 4 Week 5 Week 6