Material Exercises

# Programming Parallel Computers

Chapter 1 Chapter 2 Chapter 3 Chapter 4 Links | About | Index Lectures Intro

# Lectures

Week 2 Week 3 Week 4 (Week 5) Week 6 Week 1

### Week 2

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 2A: Multicore parallelism · OpenMP (13 min)

- Lecture on YouTube
- Lecture on Panopto
- Slides

Part 2B: Vector operations (10 min)

- Lecture on YouTube
- Lecture on Panopto
- Slides

Part 2C: How to benefit from vector operations? (10 min)

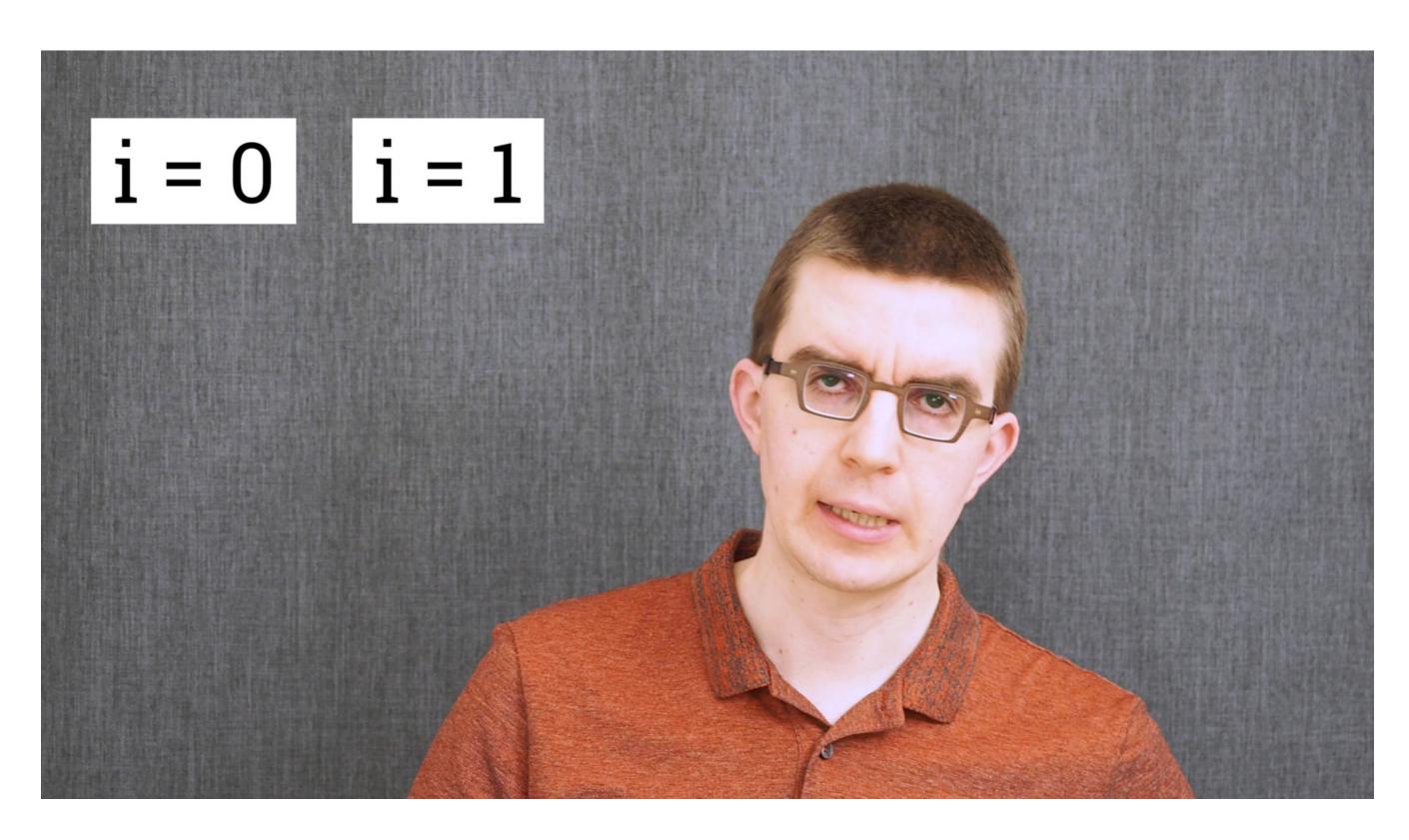
- Lecture on YouTube
- Lecture on Panopto
- Slides

## **Topics covered**

- Chapter 2, OpenMP: multicore parallelism
- Chapter 2, V3: vector instructions

# Additional recommended reading

• Chapter 3: Multithreading with OpenMP



Week 1 Week 2

(Week 3) (Week 4)

(Week 5) (Week 6)