

Parallel Computing

Exercise session 3

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Outline

Remote setup

Example: Hello, World!

Further exercises and assignment

Remote setup

- ▶ Follow the steps in the document and video on Toledo

OpenMP

1. Download `omp_hello.c`
2. Copy the file to the PC-room using `scp` or VS Code
3. Compile the program using
`gcc -o hello omp_hello.c -fopenmp`
4. Run your program using `./hello`

MPI

1. Download `mpi_hello.c`
2. Copy the file to the PC-room using `scp`
3. Compile the program using
`mpicc -o hello mpi_hello.c`
4. Run your program using `mpirun -n 4 hello`
5. Check your results

Remainder of practical sessions

- ▶ Download the folder with buggy programs from Toledo and fix the bugs
- ▶ (later) Information on working on the VSC
- ▶ (later) Two mini-assignments