1 MPI Hands-On; Performance Analysis

1.1 Analysis of Parallel Summation with Point-to-Point Communications

Parallel Summation; the given program adds n numbers both in sequential and parallel.

- Take a look at the source code.

- Download the binary.

- Download the Excel file to fill the table by increasing the value of n and the value of *nproc*.

- Login to the **tiny** cluster.

- Make all the test runs by the following command;

  ```
  mpirun -nolocal -np XXprocXX code21 XXNXX
  ```

- DO NOT FORGET TO ERASE your output files (#outputfile.dat) after your tests.

  ```
  rm -f *outputfi*
  ```

- Analyse your plots.