Assignment Sheet #07

Submission deadline: <u>5.06.2018, 14:00</u>

Organizational hints and related background were presented in the lecture and also can be found in the lecture notes (uploaded to Stud.IP). Send your solution files in a compressed ZIP archive to sven.bingert@gwdg.de. You can find the programs or templates referred in the assignments in the directory in Stud.IP.

Exercise 1 − *Send-Receive Benchmark* (15 Points)

Please write a code to benchmark MPI Send and Receive.
- Use two processes, one sending and one receiving
- Make sure they are aligned before you measure
- A guide can be found in sr_benchmark.cc
- Increase buffer size and do n tests for each
- Run on GWDG infrastructure and make sure the two processes run on different hosts
    - Hint: put -R span[ptile=1] and -R span[hosts=2] in your script
- Visualize your results!