High-Performance Computing Lab   **Fall 2020**

Student: FULL NAME   Discussed with: FULL NAME

Solution for Project 6   Due date: 27.11.2020 23:59 (midnight)

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1. Ring maximum using MPI [10 Points]

2. Ghost cells exchange between neighboring processes [20 Points]

3. Parallelizing the Mandelbrot set using MPI [20 Points]

4. Option A: Parallel matrix-vector multiplication and the power method [50 Points]

5. Option B: Parallel PageRank Algorithm and the Power method [50 Points]

Additional notes and submission details

Submit the source code files (together with your used `Makefile`) in an archive file (tar, zip, etc.), and summarize your results and observations for all exercises by writing an extended Latex report. Use the Latex template provided on the webpage and upload the Latex summary as a PDF to iCorsi3.

- Your submission should be a gzipped tar archive, formatted like project_number_lastname_firstname.zip or project_number_lastname_firstname.tgz. It should contain

    - all the source codes of your MPI solutions;

    - your write-up with your name project_number_lastname_firstname.pdf.

- Submit your .zip/.tgz through Moodle.