Università della Svizzera italiana

Institute of Computational Science ICS

High Performance Computing 2019

Student: FULL NAME   Discussed with: FULL NAME

Solution for Assignment 5 Due date: 29 November 2019, 23:55

Parallel Programming with MPI

This assignment will introduce you to parallel programming using MPI. You will implement simple message exchange, compute a process topology and parallelize computation of the Mandelbrot set.

1. **Exchange of the ghost cells** *(40 Points)*

2. **Parallelizing the Mandelbrot Set with MPI** *(60 Points)*