

PHYS405

Advanced Computational Physics Parallel Computing

Assignment No. 4 Due: Monday, November 7, 2016

Purpose: Practice different approaches to writing parallel codes using MPI.

Ref: WWW site for this course. Google. Class discussion of October 28, 2016.

The Master/Slave solution of the sorting task in last week's assignment was **one possible method** to solve to this problem.

Another solution is to use a **static load balance** algorithm. In this case, all the nodes are (mostly) the same and there will be **NO Master**.

This assignment requires you to write such a program and to validate it against your master/slave code of last week and the sequential solution.