



MPI – Challenge

Advanced Algorithms and Parallel Programming

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- ❑ Implement a general approach for distributing the work of merge sort over multiple processes
- ❑ The provided merging algorithm must not be modified, nor should the vector generators

- ❑ Test the correctness of your algorithm against all three provided vectors (1024, 729, 997)
- ❑ Test the correctness of your algorithm when run with 2, 3, 5 processes
- ❑ Evaluate the load balance on the processes in the different configurations, as well as the overall computation time of the program