

## Homework – HPSC SS 2003

	Name	HW-01	HW-02	HW-03	HW-04	HW-05	HW-06	HW-07	Project	Exam	Grade
1.	Mayr Manfred	11	MPI_exa	3	9.5	10.4.a	10'.4.c	11.1			
2.	Röck Harald	3	MPI_exa	2	9.7	10.4.b	10'.4.d	11.1			
3.	Osterrieder Christian	8	MPI_exa	2	9.8	10.4.c	10'.4.a	11.1			
4.	Fimberger Lucia	1	MPI_exa	3	9.3	10.4.d	10'.4.b	11.1			
5.											
6.											

- 12 - finished
- 12 - in review
- 12 - not accepted
- 12 - assigned

**Project:** Solve a differential equation (diffusion, wave, Laplace,..) in 2-D on a single computer. Parallelize this task either by data domain distribution among multiple processors (in the case of IVP) or by the parallel iterative solution of a sparse linear system (Jacobi or SOR). Use MPI. Describe the problem, visualize and discuss the results. Analyse the speedup.