

PHYS:5905 Proposed Remaining Lectures

1. 26 MAR: Lecture #15: Nonlinear Sound Waves
2. 28 MAR: Lecture #16: Kinetic Simulation: Vlasov-Poisson Plasmas
3. 2 APR: Lecture #17: Intro to High-Performance Computing and Message Passing Interface (MPI)
4. 4 APR: Lecture #18: Design of Parallel Algorithms
5. 9 APR: Lecture #19: Multi-threading with OpenMP
6. 11 APR: Lecture #20: GPU Computing and CUDA
7. 16 APR: Lecture #21: Optimization
8. 18 APR: Lecture #22: Practice of High-Performance Computing
9. 23 APR: Lecture #23: Implicit Timestepping Methods
10. 25 APR: Lecture #24: Pseudo-spectral methods
11. 30 APR: Lecture #25: Publicly Available Simulation Codes
12. 2 MAY: Lecture #26: Applying for Computational Allocations