

In the name of God

Department of Physics
Shahid Beheshti University

COMPUTATIONAL PHYSICS

Exercise Set 12

(Due Date: 1402/03/28)

1. Fitting formula: Using file which is called *fitinput.txt* and consider $y_{theory} = ax^H$ compute a , H and their errors using MCMC method.
2. Hamiltonian Monte Carlo method for data modeling: Using file which is called *fitinput.txt* and consider $y_{theory} = ax^H$ compute a , H and their errors using HMC method.

Good luck, Movahed
