

In the name of God

Department of Physics
Shahid Beheshti University

COMPUTATIONAL PHYSICS

Exercise Set 6

(Date Due: 1394/10/20)

1. Decaying simulation: suppose the probability of decaying are $p = \lambda\Delta t$ and $p = \lambda\Delta t/t$. For both of them write down programs that simulate these phenomena.
2. Using Stone throwing method, compute the value of pi. Check your algorithm for various values N.

Good luck, Movahed
