

Statistical Physics (Numerical Simulation)

- Random Walk 1
- Random Walk 2 (a step length is determined by Gaussian or power law distribution)
- Statistical Properties of Random Walkers 1
- Statistical Properties of Random Walkers 2 (a step length is determined by Gaussian or power law distribution)
- Site percolation on a square lattice in two dimensions [Stauffer94]
- Invasion Percolation
- Normal Distribution
- Log-Normal Distribution
- Various types of noise

■ phase transition phenomena

- Ising model (Heat Bath method)
- Ising model 2 (Heat Bath method)
- Ising model MC (Metropolis method)
- Flocking model [ref : T.Vicsek: fluctuations and scaling in biology]

■ self-organized criticality (SOC)

- sand pile model
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