Spatiotemporal Modeling and Simulation

07 :: Diffusion
Topic

Diffusion

Program

Governing equation and terminology
A stochastic particle method for diffusion: RW
A deterministic particle method: PSE
Comparison of RW and PSE
Self-test questions
Learning goals

Be able to implement and use RW and PSE

Know about the convergence properties of the two methods

Be able to correctly name the different diffusion types