

Fractals (Numerical Simulation)

■ Fractal Pattern Generators

- Cantor set produced by a stochastic process
- Sierpinski gasket produced by a stochastic process 1
- Sierpinski gasket produced by a stochastic process 2
- Sierpinski carpet produced by a stochastic process
- Mandelbrot set / Julia set

■ Self-Affine Fractals

- time series of a random walk in one dimension
- Successive Random Addition algorithm for a fractional Brownian motion (by R. F. Voss)
- Mandelbrot and Wallis method for a fractional Brownian motion

■ Surface Growth Phenomena

- KPZ eq. (Karder-Parisi-Zhang equation)
- KPZQ eq. (Karder-Parisi-Zhang equation with quenched noise)
- Eden model
- DPD model (Directed Percolation Depinning)
- DLA

