

- Box-counting dimension and the Moran equation
 - Suggested review: homework #9 problems 1, 3, 6
 - Suggested reading: lecture notes 4.2
 - Iterated function systems, invariant sets, the chaos game
 - Suggested review: homework #9 problems 1, 2, 3, 5
 - Suggested reading: lecture notes 4.3
 - Complex derivatives, attracting and repelling points/cycles of complex functions
 - Suggested review: homework #10 problems 1, 2, 6
 - Suggested reading: lecture notes 5.1
 - Julia sets, general analysis of Julia sets, formal properties of Julia sets
 - Suggested review: homework #10 problems 3, 4, 7
 - Suggested reading: lecture notes 5.2.1-5.3.2
 - The fundamental dichotomy and the Mandelbrot set, bulbs of the Mandelbrot set
 - Suggested review: homework #11 problems 1, 3, 4
 - Suggested reading: lecture notes 5.3.3-5.3.5
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