

- Computation of attracting cycles, orbit diagrams
    - Suggested review: homework #5 problems 1, 2, 3
    - Suggested reading: lecture notes 2.2.1-2.2.2.
  - The Cantor ternary set, nested intervals theorem, iterated inverse images
    - Suggested review: homework #5 problems 4, 5 + homework #6 problem 3
    - Suggested reading: lecture notes 3.1.2.
  - The sequence space and shift map
    - Suggested review: homework #6 problems 1, 2
    - Suggested reading: lecture notes 3.1.3.
  - Homeomorphisms and conjugation, dense sets
    - Suggested review: homework #6 problems 4, 5, 6 + homework #7 problem 1
    - Suggested reading: lecture notes 3.1.4-3.1.5.
  - Transitive maps, sensitivity to initial conditions, definition of chaos
    - Suggested review: homework #7 problems 1, 4 + homework #8 problem 5
    - Suggested reading: lecture notes 3.2.1-3.2.2
  - Sarkovskii's theorem
    - Suggested review: homework #7 problems 3, 5
    - Suggested reading: lecture notes 3.3.1-3.3.2
  - Standard fractal constructions, topological dimension
    - Suggested review: homework #8 problems 1, 2, 4
    - Suggested reading: lecture notes 4.1-4.2.1
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