Nonlinear Dynamics: Mathematical and Computational Approaches

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✓ 7.4 Unstable periodic orbits » Quiz ← Prev Next →

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- You may come back to quizzes and take them as many times as you like
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Question 1

How many unstable periodic orbits (UPOs) are there in the dynamical landscape of a dissipative chaotic system?

- A. None
- ✓ B. An infinite number
- C. It depends on which chaotic system you're talking about

Question 2

All UPOs have even-numbered periods (2, 4, 6, ...)

- A. True
- ✓ B. False

Question 3

Which of the following statements are true about the relationship between UPOs and chaotic attractors?

- A. A chaotic attractor is the closure of the set of its UPOs
- B. UPOs are dense in any chaotic attractor
- ✓ C. Both of the above
- D. Neither of the above

You got 3 out of 3 questions correct Reset