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This textbook is aimed at newcomers to nonlinear dynamics and chaos, especially students taking a first course in the subject. The presentation stresses analytical methods, concrete examples, and geometric intuition. Sample Solutions for this Textbook We offer sample solutions for Nonlinear Dynamics and Chaos homework problems.

*Nonlinear Dynamics and Chaos 2nd Edition, Steven H. Strogatz*

Nonlinear dynamics and chaos : with applications to physics, biology, chemistry, and engineering. by. Strogatz, Steven H. (Steven Henry) Publication date. 2000. Topics. Chaotic behavior in systems, Dynamics, Nonlinear theories, Science/Mathematics, Chemistry - General, Life Sciences - Biology - General, Physics. Publisher.

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*Nonlinear Dynamics and Chaos | Taylor & Francis Group*

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In the 1990's, my work focused on nonlinear dynamics and chaos applied to physics, engineering, and biology. Several of these

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projects dealt with coupled oscillators, such as lasers, superconducting Josephson junctions, and crickets that chirp in unison. In each case, the research involved close collaborations with experimentalists.

*Steven Strogatz | Department of Mathematics  
Cornell Arts ...*

Book Description This textbook is aimed at newcomers to nonlinear dynamics and chaos, especially students taking a first course in the subject. The presentation stresses analytical methods, concrete examples, and geometric intuition.

*Nonlinear Dynamics and Chaos: With  
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Nonlinear Dynamics and Chaos by Strogatz is an introduction to the qualitative study of systems of first degree differential equations. Topics included through the first six chapters (which is as far as I have currently read) are bifurcations, stability of fixed points, linearization about fixed points, and many others.

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The chaotic waterwheel with Howard Stone,  
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