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Steven Strogatz is an applied mathematician who works in the areas of nonlinear dynamics and complex systems, often on topics inspired by the curiosities of everyday life. He loves finding math in places where you'd least expect it—and then using it to illuminate life's mysteries, big and small.

### **Steven Strogatz**

These days, I am reading the chapters about chaos in *Nonlinear Dynamics and Chaos* by S. Strogatz. I am obtaining clearer understandings about chaos, especially about the Feigenbaum constant and renormalization. After more carefully rereading the mentioned parts of Stewart's book, I found that my review was not fair to the author.

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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 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 ...**

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