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instruction in nonlinear dynamics, but who now desires to begin informal study. The prerequisites are multivariable calculus and introductory physics. is Associate Professor of Applied Mathematics at the Steven H. Strogatz Massachusetts Institute of Technology. He received his Ph.D. from Harvard University in 1986.

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Exercises for Chapter 2 2.1A Geometric Way of Thinking In the next three exercises, interpret $x'' = \sin(x)$
as a flow on the line. 2.1.1 Find all the fixed points of the flow. At a fixed point, the flow has to be zero.

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Chaos and Nonlinear Dynamics: Application to Financial Markets by David A. Hsieh Fuqua School of
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workshop participants at Emory University, the Federal Reserve Bank of Atlanta, and University of California
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