Understanding Nonlinear Dynamics - Some Endorsements

Interspersed in the text are delightful short essays of a page or two each, ranging widely from the random drift of molecules to the patterns underlying global climate changes. These are intended to illustrate the practical applications of the theoretical concepts presented. While it would be particularly useful for a student in the biological sciences, no reader is likely to encounter a more accessible elementary introduction to nonlinear dynamics.

Stanley A. Berger
University of California, Berkeley
Review in *Physics Today*, February 1996, p.62

Written at an elementary level and with a strong biological accent, this book quickly engages the reader by its clear exposition and a profusion of illustrative examples.... This text is an excellent introduction to nonlinear dynamics for almost anyone. The exposition of the topics is generally clear, and the examples have been well selected both to motivate the user and to illustrate the particular technique or approach used.

Jose A. Rial
Dept. of Geology
Univ. of North Carolina at Chapel Hill
Review in *American Scientist*, v84, March-April 1996, p.185-6

It would be a delight to teach from Understanding Nonlinear Dynamics. The material is beautifully laid out, is thoroughly modern, and has been debugged through 20 years' teaching of undergraduate biology students. This course would serve equally well at the graduate level in any biologically-oriented department. Especially valuable are the many biological examples, problem sets (with solutions), and computer exercises.

A. T. Winfree
Department of Ecology and Evolutionary Biology
University of Arizona, Tucson, Arizona

Daniel Kaplan and Leon Glass have produced a superb introductory text on nonlinear dynamics. It should be required reading for all students of physiology and medicine, as well as for investigators wishing to gain new insight into their "real-world", complex data.

Ary L. Goldberger, M. D.
Beth Israel Hospital and Harvard Medical School
Boston, Massachusetts

Insight into the behavior of nonlinear dynamical systems composed of several to several tens of thousands of components is no longer an intellectual side show. Rather, such understanding lies at the essential core of many emerging areas of contemporary science. This introductory book by Kaplan and Glass should command broad readership from undergraduate courses to independent scholars in physics, biology, economics, business and beyond.

Stuart Kauffman
Santa Fe Institute

It joins my list of the three best-written (serious) introductions to nonlinear dynamics: Berge et al., Strogatz, and now Kaplan and Glass. I am amazed how much real meat you have packed into the book while still keeping it eminently, indeed compulsively, readable.

Gerry Middleton
Department of Geology,
McMaster University
