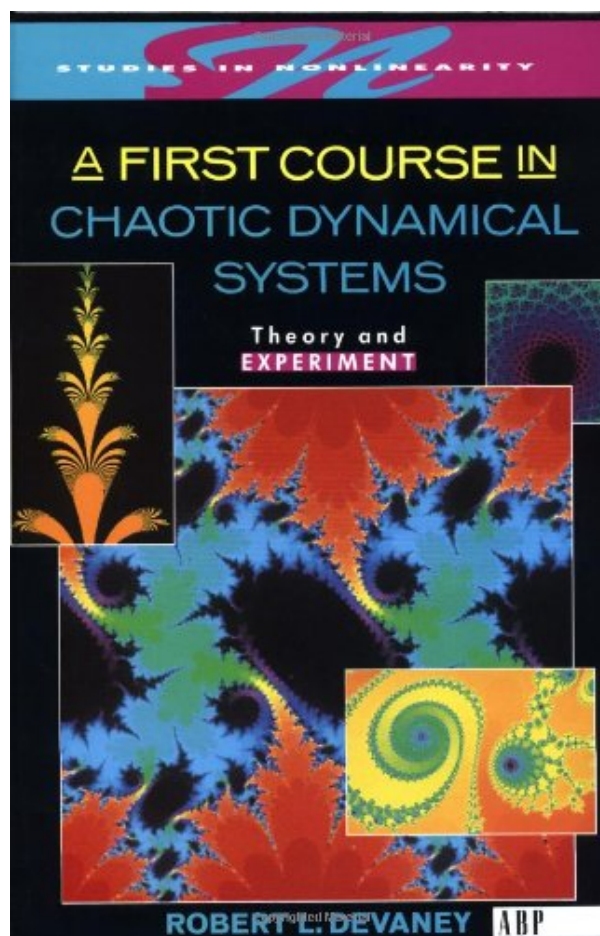
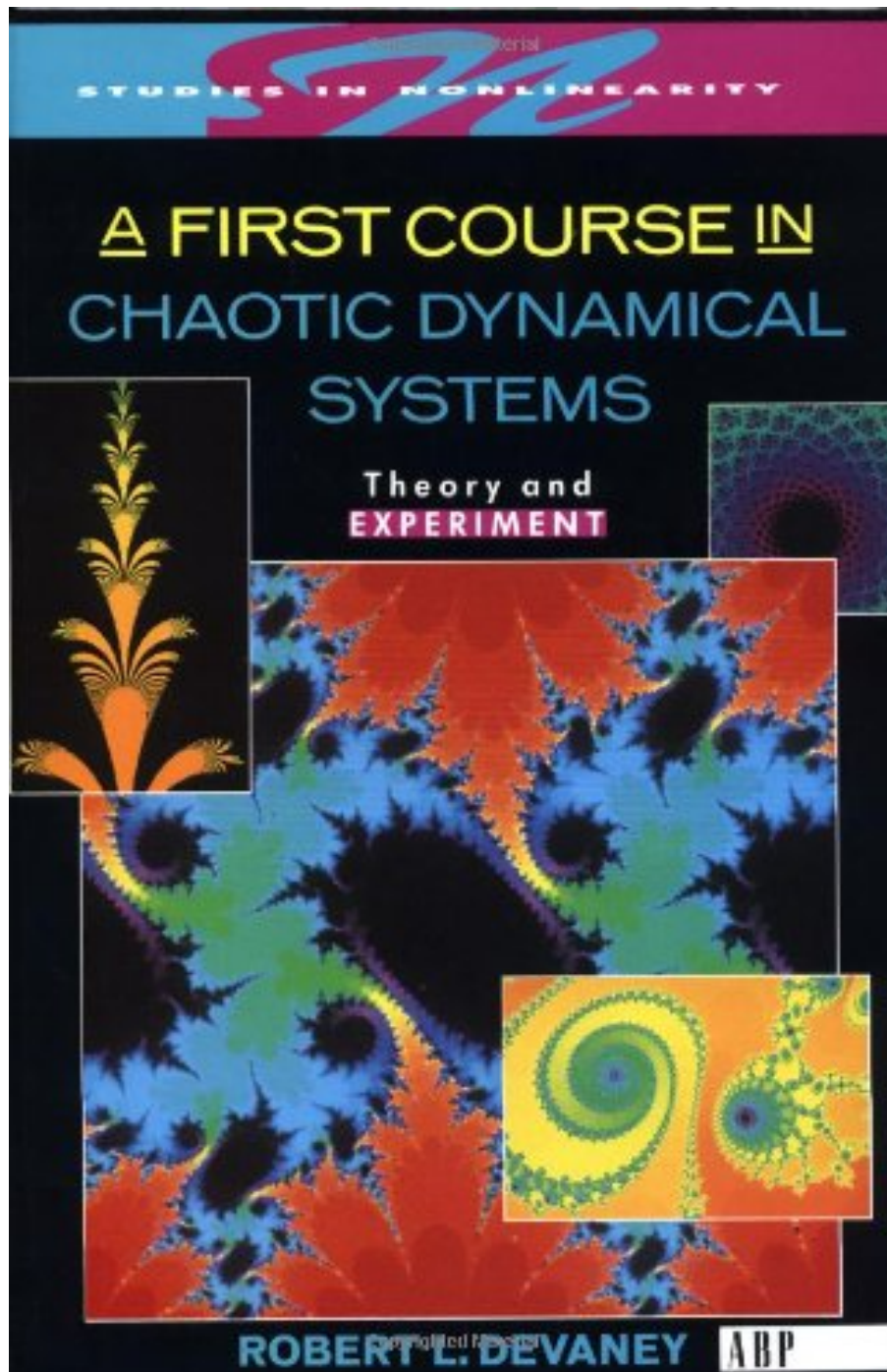


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Professor Robert L. Devaney received his A.B. from Holy Cross College and his Ph.D. from the University of California at Berkeley in 1973. He taught at Northwestern University, Tufts University, and the University of Maryland before coming to Boston University in 1980. He served there as chairman of the Department of Mathematics from 1983 to 1986. His main area of research is dynamical systems, including Hamiltonian systems, complex analytic dynamics, and computer experiments in dynamics. He is the author of *An Introduction to Chaotic Dynamical Systems*, and *Chaos, Fractals, and Dynamics: Computer Experiments in Modern Mathematics*, which aims to explain the beauty of chaotic dynamics to high school students and teachers.

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This text is a great beginners guide to chaotic systems, it provides very clear explanations and proofs as well as some examples to help you along.

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By The Dabbler

This is a fine text, and I was able to follow it fairly easily. However, it is rather dated (1992) and there have been improvements in the subject in several areas. I found Steven Strogatz's "Nonlinear Dynamics And Chaos" (2001) a significantly better book for both content and readability.

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By Jordan Bell

This is a good textbook to use for a second or third year course introducing dynamical systems. Using this book you could teach a course that both isn't too simple minded and yet isn't too abstract. The material in this book also motivates a lot of further deep material in dynamical systems, and I think that it could be encouraging to students who are seeing metric spaces, complex analysis and differential equations in purer settings to see that this theory has tangible applications. This would also be a good course for students not majoring in mathematics, to see that mathematics can be exciting in a way that a first year calculus or linear algebra course is not. There aren't many mathematics courses that could usefully be taken by mathematics students and non-mathematics students; the only other topic I can see being suitable is classical geometry.

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