

<<非线性动力学入门>>

图书基本信息

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内容概要

The book is about dynamics-the mathematics of how things change in time. The universe around us presents a kaleidoscope of quantities that vary with time , ranging from the extragalactic pulsation of quasars to the fluctuations in sunspot activity on our sun; from the changing outdoor temperature associated with the four season to the aily temperature gluctuations in our bodies; from the incidence of infectious diseases such as measles to the tumultuous trend of stock prices.

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作者简介

Daniel Kaplan specializes in the analysis of data using techniques motivated by nonlinear dynamics. His primary interest is in the interpretation of irregular physiological rhythms, but the methods he has developed have been used in geophysics, economics, marine ecology, and other fields. He joined McGill in 1991, after receiving his Ph.D from Harvard University and working at MIT. His undergraduate studies were completed at Swarthmore College. He has worked with several instrumentation companies to develop novel types of medical monitors.

Leon Glass is one of the pioneers of what has come to be called chaos theory, specializing in applications to medicine and biology. He has worked in areas as diverse as physical chemistry, visual perception, and cardiology, and is one of the originators of the concept of "dynamical disease."

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编辑推荐

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