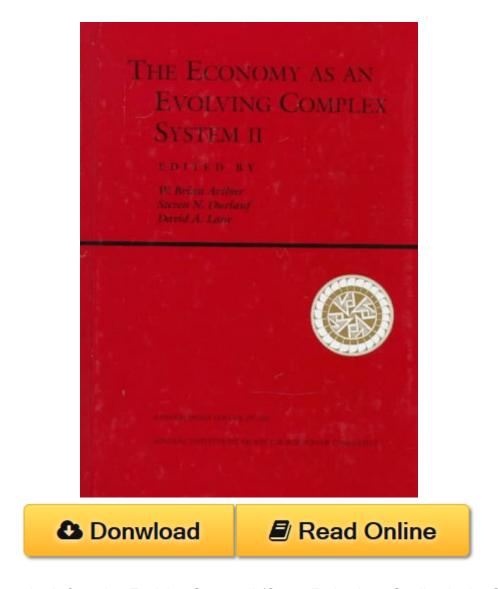
The Economy As A Complex Evolving System Ii (Santa Fe Institute Studies in the Sciences of Complexity Lecture Notes) (Pt. 2) PDF



The Economy As A Complex Evolving System Ii (Santa Fe Institute Studies in the Sciences of Complexity Lecture Notes) (Pt. 2) by W. Brian Arthur, Steven N. Durlauf, David A. Lane ISBN 0201959887

A new view of the economy as an evolving, complex system has been pioneered at the Santa Fe Institute over the last ten years. This volume is a collection of articles that shape and define this view—a view of the economy as emerging from the interactions of individual agents whose behavior constantly evolves, whose strategies and actions are always adapting. The traditional framework in economics portrays economic activity within an *equilibrium* steady state. The interacting agents in the economy are typically homogenous, solve well-defined problems using perfect rationality, and act within given legal and social structures. The complexity approach, by

contrast, sees economic activity as continually changing—continually *in process*. the interacting agents are typically heterogeneous, they must cognitively interpret the problems they face, and together they create the structures—markets, legal and social institutions, price patterns, expectations—to which they individually react. Such structures may never settle down. Agents may forever adapt and explore and evolve their behavior within structures that continually emerge and change and disappear—structures these behaviors co-create. This complexity approach does not replace the equilibrium one—it complements it. The papers collected here originated at a recent conference at the Santa Fe Institute, which was called to follow up the well-known 1987 conference organized by Philip Anderson, Kenneth Arrow, and David Pines. They survey the new study of complexity and the economy. They apply this approach to real economic problems and they show the extent to which the initial vision of the 1987 conference has come to fruition. *The Economy as an Evolving Complex System II* will fascinate economists of all types.

The Economy As A Complex Evolving System Ii (Santa Fe Institute Studies in the Sciences of Complexity Lecture Notes) (Pt. 2) Review

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