Nonlinearity, Complexity and Randomness in Economics: Towards Algorithmic Foundations for Economics

Stefano Zambelli (Editor), Donald A. R. George (Editor)


DESCRIPTION

Nonlinearity, Complexity and Randomness in Economics presents a variety of papers by leading economists, scientists, and philosophers who focus on different aspects of nonlinearity, complexity and randomness, and their implications for economics. A theme of the book is that economics should be based on algorithmic, computable mathematical foundations.

- Features an interdisciplinary collection of papers by economists, scientists, and philosophers
- Presents new approaches to macroeconomic modelling, agent-based modelling, financial markets, and emergent complexity
- Reveals how economics today must be based on algorithmic, computable mathematical foundations

ABOUT THE AUTHOR

Stefano Zambelli is Professor of Political Economy at the Department of Economics, University of Trento, Italy. He is also a founding member of the Algorithmic Social Sciences Research Unit (ASSRU) at University of Trento.
Donald A.R. George is Senior Lecturer in Economics at the University of Edinburgh. He has published extensively on the economics of self-management, economic dynamics, and the economics of product reliability, and is joint founding Editor of the *Journal of Economic Surveys*.

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