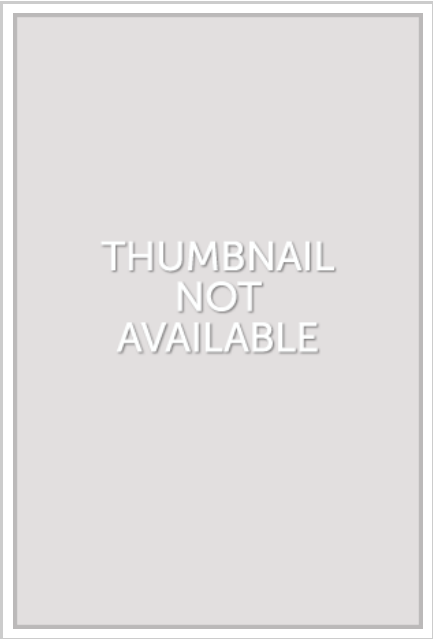

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Simplicity in Complexity: An Introduction to Complex Systems (Paperback)

By Rajesh R Parwani

Simplicity Research Institute, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Simplicity in Complexity: An Introduction to Complex Systems How do scientists model crowd behaviour, epidemics, earthquakes or the internet? What can we learn from the collective intelligence and adaptability of an ant colony? This book answers such questions by highlighting common themes in the study of complex systems. Topics covered include self-organisation, emergence, agent-based simulations, complex networks, phase plane plots, fractals, chaos, measures of complexity, model building, and the scientific method. Explanations are simple and concise, with common misconceptions clarified. Numerous exercises help enthusiasts consolidate their understanding through peer learning. Supplementary resources are at the companion websites and About the Author: Dr. Parwani is a scientist. He tested the modules Simplicity and Complexity for more than a decade on willing undergraduates in a multi-disciplinary programme. This book summarises the content of those experiments.

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