



Approaches to Geo-mathematical Modelling: New Tools for Complexity Science (Hardback)

By -

John Wiley Sons Inc, United States, 2016. Hardback. Condition: New. Language: English . Brand New Book. Geo-mathematical modelling: models from complexity science Sir Alan Wilson, Centre for Advanced Spatial Analysis, University College London Mathematical and computer models for a complexity science tool kit Geographical systems are characterised by locations, activities at locations, interactions between them and the infrastructures that carry these activities and flows. They can be described at a great variety of scales, from individuals and organisations to countries. Our understanding, often partial, of these entities, and in many cases this understanding is represented in theories and associated mathematical models. In this book, the main examples are models that represent elements of the global system covering such topics as trade, migration, security and development aid together with examples at finer scales. This provides an effective toolkit that can not only be applied to global systems, but more widely in the modelling of complex systems. All complex systems involve nonlinearities involving path dependence and the possibility of phase changes and this makes the mathematical aspects particularly interesting. It is through these mechanisms that new structures can be seen to emerge , and hence the current notion of emergent behaviour



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Reviews

Very helpful to all of group of men and women. It can be written in easy terms instead of confusing. You will like how the writer write this book.
-- **Dr. Daren Mitchell PhD**

These kinds of publication is everything and got me to looking ahead of time and much more. it absolutely was writtern extremely completely and valuable. Your way of life period is going to be enhance when you full looking over this ebook.
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