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Advance Geosimulation Models

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About the eBook

Geosimulation has recently emerged at the intersection of Geographic Information Science, Complex Systems Theory and Computer Science. The approaches and tools for validating Geosimulation models are especially important for understanding their complex and spatially heterogeneous outcomes. The eBook presents the recent conceptual and methodological advances achieved in the field.

Contents

- ▶ Challenges and Perspectives in Geosimulation
- ▶ Connected Dominating Sets
- ▶ Activity Based Variable Grid Cellular Automata for Urban and Regional Modelling
- ▶ Geographical Vector Agent-Based Simulation for Agricultural Land-Use Modelling
- ▶ Advances and Techniques for Building 3D Agent-Based Models for Urban Systems
- ▶ Semantically-Enhanced Virtual Geographic Environments for Multi-Agent Geo-Simulation
- ▶ Empirical Calibration of Spatially Explicit Agent-Based Models
- ▶ Geosimulation of Income-Based Urban Residential Patterns

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