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Investigating the Influence of Spatial and Temporal Granularities on Agent-Based Modeling

August 2015 · Geographical Analysis 47(4)

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G. A. Wainer · P.J. Mosterman

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 KARL PEARSON

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 Andrew T. Crooks ·  Linda M. See ·  A.J. Heppenstall · [...] ·  Alison J Heppenstall

This chapter guides the reader to the material in this book. It begins by outlining the meaning and rationale for agent-based models/modelling (ABM), focusing on their history, how they evolved and how they sit within the broader context of modelling and simulation for geographical systems. Three theme...

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 Alex Hagen-Zanker ·  Ying Jin

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Jul 2012 · Simulation

 Kalyan S. Perumalla ·  Sudip K. Seal

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Conference Paper

Jan 2007 · Proceedings - Winter Simulation Conference

 Georgiy V Bobashev ·  Michael Goedecke ·  Feng Yu ·  Joshua M Epstein

Agent-based models (ABMs) are powerful in describing structured epidemiological processes involving human behavior and local interaction. The joint behavior of the agents can be very complex and tracking the behavior requires a disciplined approach. At the same time, equation-based models (EBMs) can b...

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