

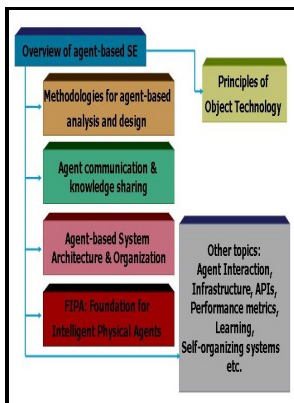
Economic simulations in Swarm - agent-based modelling and object oriented programming

Kluwer Academic - JASSS Volume 4, Issue 2. March 2001

Description: -

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International - General
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 Economics -- Mathematical models
 Economics -- Computer simulation
 Economic simulations in Swarm - agent-based modelling and object oriented programming
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 Advances in computational economics -- v. 14
 Economic simulations in Swarm - agent-based modelling and object oriented programming
 Notes: Includes bibliographical references and index
 This edition was published in 2000



Tags: #Survey #of #Agent #Based
 #Modelling #and #Simulation #Tools

Using agent

Deguchi Economics as an Agent Based Complex System: Toward Agent Based Social Systems Sciences Springer 2004 260pp ISBN 978-0-443-120985-0 C. Modellers do not require specialist knowledge of the underlying architecture



Filesize: 47.1010 MB

used for simulation, as models are designed using formal specification techniques.

Economic Simulations in Swarm: Agent

Agents themselves are self contained entities with states and a set of behavioural rules. For highly heterogeneous systems comprising autonomous actors, ABMs offer a more flexible and powerful tool.

Using agent

However, the present version of MAML is, as the name suggests, a programming language and not an environment. After updating the code, I found some beautiful histograms and rasters appearing on the screen as the model ran.

Economic Simulations in Swarm: Agent

SDML runs in a Smalltalk environment and is available for MS Windows 3. EcoLab Web site ZooLand: the Artificial Life Resource An interesting resource, but with many broken links FLAME: FLexible Agent Modelling Environment Web site Journal of Artificial Societies and Social Simulation Complexity International An electronic refereed journal including a wide range of papers on complexity theory.

SimPack is available with a GPL license.

Using agent

While one need Not be an expert programmer, one must have a rudimentary understanding of vital computing concepts. This component is also responsible for saving the agent's internal state information across executions of the model, such as storing input data or allowing runs to be replicated. MASON is not derived from any other toolkit and the current v14 may be downloaded from

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