Conference Paper

ACD++: A domain specific language for cell-DEVS modelling

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Building Mic-Core, a Specialized M&S Software to Simulate Multi-State Demographic Micro Models, Based on JAMES II, a General M&S Framework

Article Full-text available Jun 2013 · Journal of Artificial Societies and Social Simulation, The

Sabine Zinn · Jan Himmelspach · Adelinde M. Uhrmacher · Jutta Gampe

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Romain Franceschini · Paul-Antoine Bisgambiglia · David Hill

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Stephen Wolfram

CD++: a toolkit to develop DEVS models

Article   Private full-text   Nov 2002 · Software Practice and Experience

G. A. Wainer

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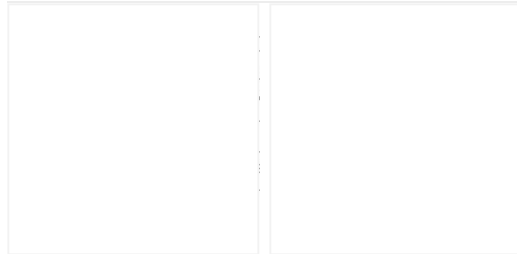
Improved cell-DEVS model definition in CD++

Conference Paper   Full-text available   Oct 2004 · Lecture Notes in Computer Science

Alejandro López · G. A. Wainer

We describe two improvements made to CD++, a tool for modeling and simulation of cellular models based on the Cell-DEVS formalism. The modifications described in this work remove some limitations existing in the previous implementation. These modifications allow the cells to use multiple state…

N-dimensional Cell-DEVS models
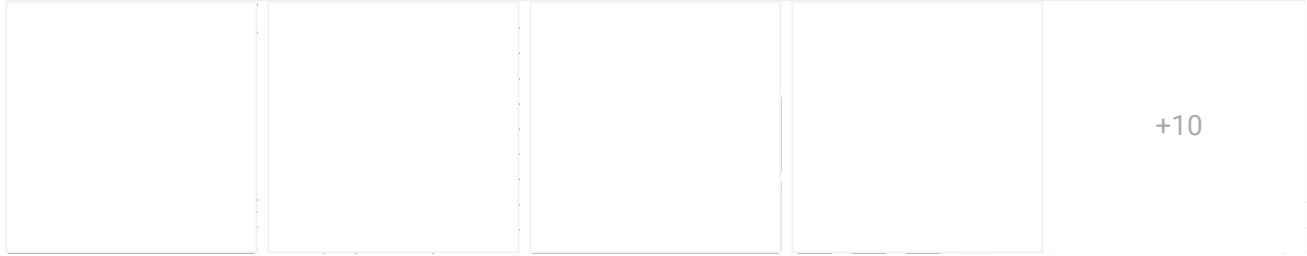
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modelling o f n-dimensional generic ce ll spaces, including transport or inertial delays for each cell. The a utomatic definition o f cell spaces is achieved, simplifying the construction o f new models. The model…

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Application of the Cell-DEVS Paradigm for Cell Spaces Modelling and Simulation

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Jan 2001 · SIMULATION: Transactions of The Society for Modeling and Simulation International

G. A. Wainer · Norbert Giambiasi

We present the results obtained when using the Cell-DEVS paradigm for cell spaces modelling and simulation. This formalism allows one to model and simulate cell spaces, including delay functions, to specify their timing behavior. Cell spaces can be defined in an automated fashion, simplifying the…

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