Nonlinear Sciences > Cellular Automata and Lattice Gases

Emergence from Symmetry: A New Type of Cellular Automata

Zan Pan

(Submitted on 17 Mar 2010)

In this paper, a different perspective of constructing the CA models is proposed. The kernel, Local Symmetric Distribution Principle, relates some fundamental concepts in physics, which maybe raise a wide interest. With a rich palette of configurations, this model also hints its capability of universal computation.

Comments:	LaTeX, 9 pages, 8 figures
Subjects:	**Cellular Automata and Lattice Gases (nlin.CG)**; Popular Physics (physics.pop-ph)
Cite as:	**arXiv:1003.3394v1 [nlin.CG]**

Submission history

From: Zan Pan [view email]

[v1] Wed, 17 Mar 2010 15:22:21 GMT (190kb)

Which authors of this paper are endorsers?

Download:

- PDF
- PostScript
- Other formats

Current browse context:

nlin.CG

< prev | next >

new | recent | 1003

Change to browse by:

nlin
physics
   physics.pop-ph

References & Citations

- CiteBase

Bookmark(what is this?)

☒ CiteULike logo	
☒ Connotea logo	
☒ BibSonomy logo	
☒ Mendeley logo	
☒ Facebook logo	
☒ del.icio.us logo	
☒ Digg logo	☒ Reddit logo