Abstract

In the computational era Cellular Automata is one of the best tool for performing the complex computation at the high speed. In cellular automata most of the complex computational problems from various fields are modeled graphically. In this article we tried to explore the CA functionalities and some of the problems exist in the basic CA model like glider. We have implemented and simulated a 2-D basic disease spreading problem using basic CA with the help of NetLogo tool.

References

- Bhavana N. Umrikar, Manisha B. Patil, Chitra G. Desai, "Application of cellular
Disease Spreading Model using Probabilistic CA

automata technique for prediction of growth pattern through Java programming; International Journal Of Geomatics And Geosciences, Volume 2, No 1, 2011
- Ali Yarahmadi, Nazanin Moarefi, Saeed Setayeshi, "Implementing Cellular Automata with Dissimilar Rule on Serial Base; IEEE Conference Publications
- "NetLogo Home Page; [Online]. Available: ccl.northwestern.edu/netlogo/docs

Index Terms
Computer Science                                      Applied Sciences

Keywords
Cellular Automata (CA) epidemic model disease spreading glitter probabilistic CA model