**Cadmium Model Data Form**

Title: Voters-cell-DEVS

Type: CELL-DEVS Model

Acronym/Short name: CD-Voters

Purpose for which Developed: Simulate the political preference variations in a population

Other Applications for which it is Suitable: -

Date Developed/Implemented: 23rd March 2025

Domain: Other

Current Version: 1.0

URL: https://github.com/orselane/Voters-cell-DEVS

Description (including characteristics): A cell is called a “voter”, and it has a vonneuman neighborhood (4 neighbors). For each cycle, a voter's preference can remain unchanged (with probability parameter, u), or change to one of its neighbors with uniform randomness (probability (1-u)/4 to select an individual neighbor).

Links to Related Documents

Short Title: Voters Models Cellular Automata, Clayton Bjorland, Evolutionary Game Theory and Java Voter Models and a Political Puzzle

URL: http://www.cse.ucsc.edu/~cbjorlan/cb\_hw1.html and http://psoup.math.wisc.edu/java/recipe88.html

Description:

Keywords: voter, probability, preference, neighbors, CELL-DEVS

Developer:

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