**Cadmium Model Data Form**

Title: Voters-A.cell-DEVS

Type: Asymmetric CELL-DEVS Model

Acronym/Short name: ACD-Voters

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

Other Applications for which it is Suitable: -

Date Developed/Implemented: 26th April 2025

Domain: Other

Current Version: 1.0

URL: https://github.com/orselane/Voters-A.Cell-DEVS

Description (including characteristics): A cell is called a “voter”, and it has a graph based neighborhood. For each cycle, a voter's preference can remain unchanged, or update to one of its neighbors. A higher vicinity indicates a higher weight (higher odds to change to that neighbor’s preference).

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:

|  |  |
| --- | --- |
| Name: Alexandre Marques | Acronym: 101189743 |
| Address 1: | [e-mail]: alexandremarques@cmail.carleton.ca |
| Address 2: |  |
| City: Ottawa | Province/State-Country: ON |
| Zip: | Phone: |