**CD++ Model Data Form**

Title: Forest Fire with DEVS in Cadmium v2

Type: Cell-DEVS Model

Acronym/Short name: Forest Fire in Cell-DEVS

Purpose for which Developed: SYSC 5104 Assignment 2

Other Applications for which it is Suitable:

Date Developed/Implemented: March 2025

Domain: Analysis

Current Version 1.0

URL: https://github.com/murf85/Forest\_Fire

Description: Update of the Corsica Forest Fire model initially proposed by Wainer et al. in 2005 and implemented in CD++. This model is modified for Cadmium v2 and wind is added.

Links to Related Documents:

Short Title:

URL:

Description:

Keywords: DEVS, Cell-DEVS, Cellular Automata, Forest Fire, Fire Spread

Developer:

|  |  |
| --- | --- |
| Name: Mark Murphy | Acronym: |
| [e-mail] Address 1: markmurphy3@cmail.carleton.ca |  |
| Address 2: 1125 Colonel By Drive |  |
| City: Ottawa | Province: Ontario |
| Zip: K1S 5B6 | Phone: (613)-520-2600 |