

Instructions for simulation

1. Files

This a list of some files in the directory and their functions.

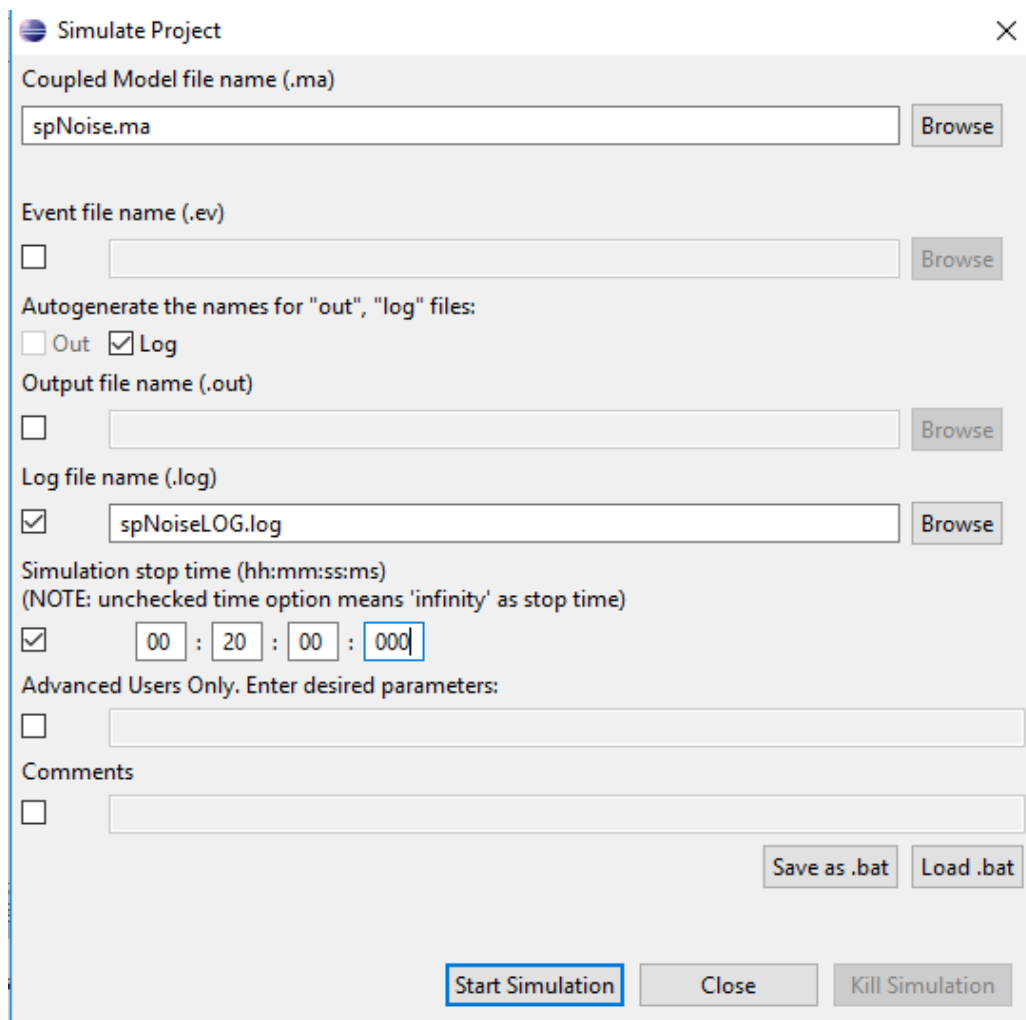
spNoise.pal: it indicates colours associated to two states.

spNoiseLOG.log: an outcome of an initial simulation with noiseless image.

spNoise.ma: it is the configuration of whole project, which includes rules, definitions, and initial values.

spNoise.val: initial values. You can set a specific value to every cell.

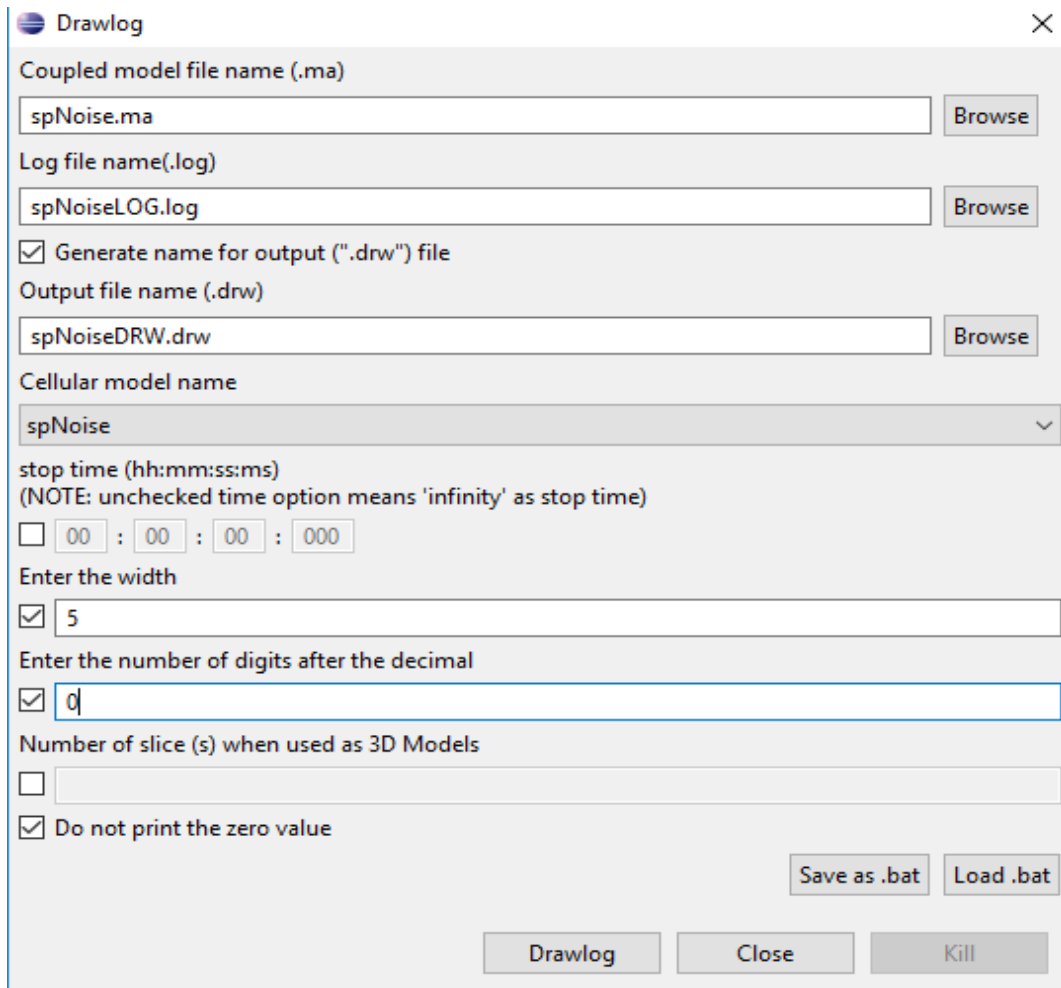
2. Simulation guides



The screenshot shows a 'Simulate Project' dialog box with the following settings:

- Coupled Model file name (.ma):** spNoise.ma (with a 'Browse' button)
- Event file name (.ev):** (empty field with a 'Browse' button)
- Autogenerate the names for "out", "log" files:**
 - ☐ Out
 - ☒ Log
- Output file name (.out):** (empty field with a 'Browse' button)
- Log file name (.log):** spNoiseLOG.log (with a 'Browse' button)
- Simulation stop time (hh:mm:ss:ms):** 00 : 20 : 00 : 000 (with a note: "(NOTE: unchecked time option means 'infinity' as stop time)")
- Advanced Users Only. Enter desired parameters:** (empty field)
- Comments:** (empty field)
- Buttons:** 'Save as .bat', 'Load .bat', 'Start Simulation', 'Close', and 'Kill Simulation'.

This graph shows the setting of the simulation. Select only log file, uncheck output file.



Drawlog [X]

Coupled model file name (.ma)

Log file name(.log)

☒ Generate name for output (".drw") file
 Output file name (.drw)

Cellular model name

stop time (hh:mm:ss:ms)
 (NOTE: unchecked time option means 'infinity' as stop time)
☐ : : :

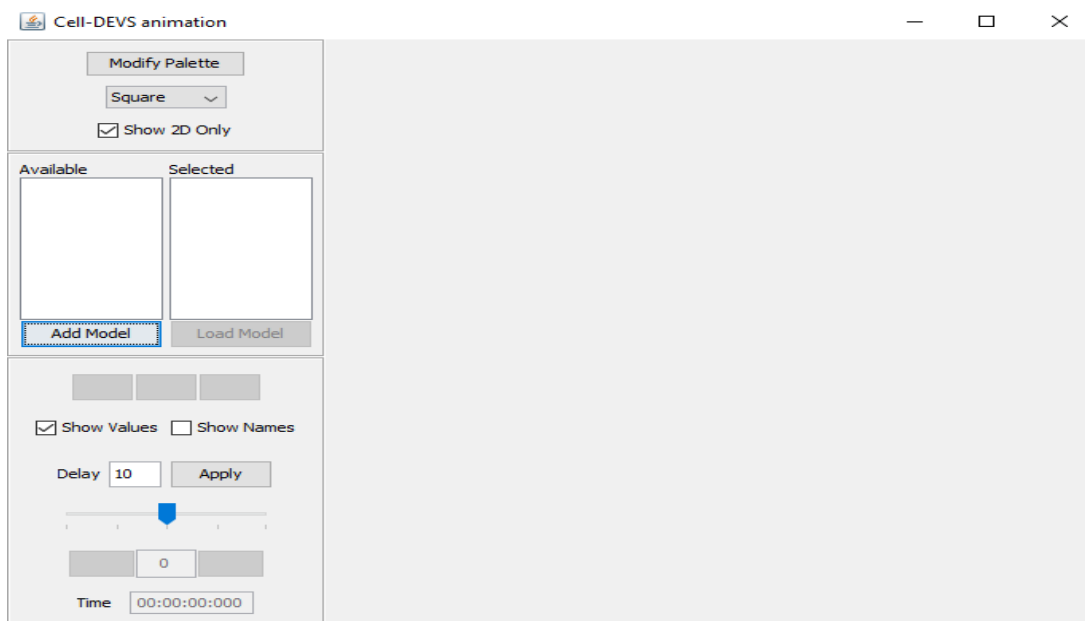
Enter the width
☒

Enter the number of digits after the decimal
☒

Number of slice (s) when used as 3D Models
☐

☒ Do not print the zero value

Open Drawlog to create draw-file. This draw file is used as input in CD++ modeler and in web viewer.



Cell-DEVS animation [Min] [Max] [X]

☒ Show 2D Only

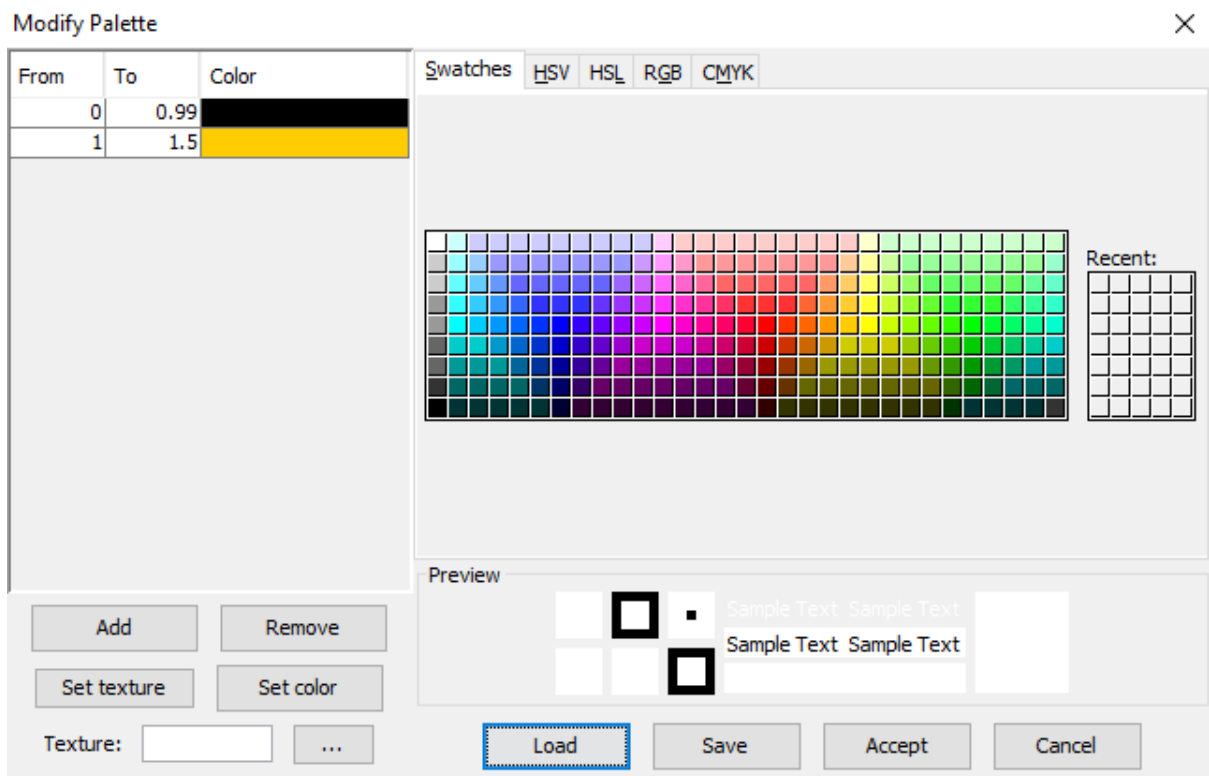
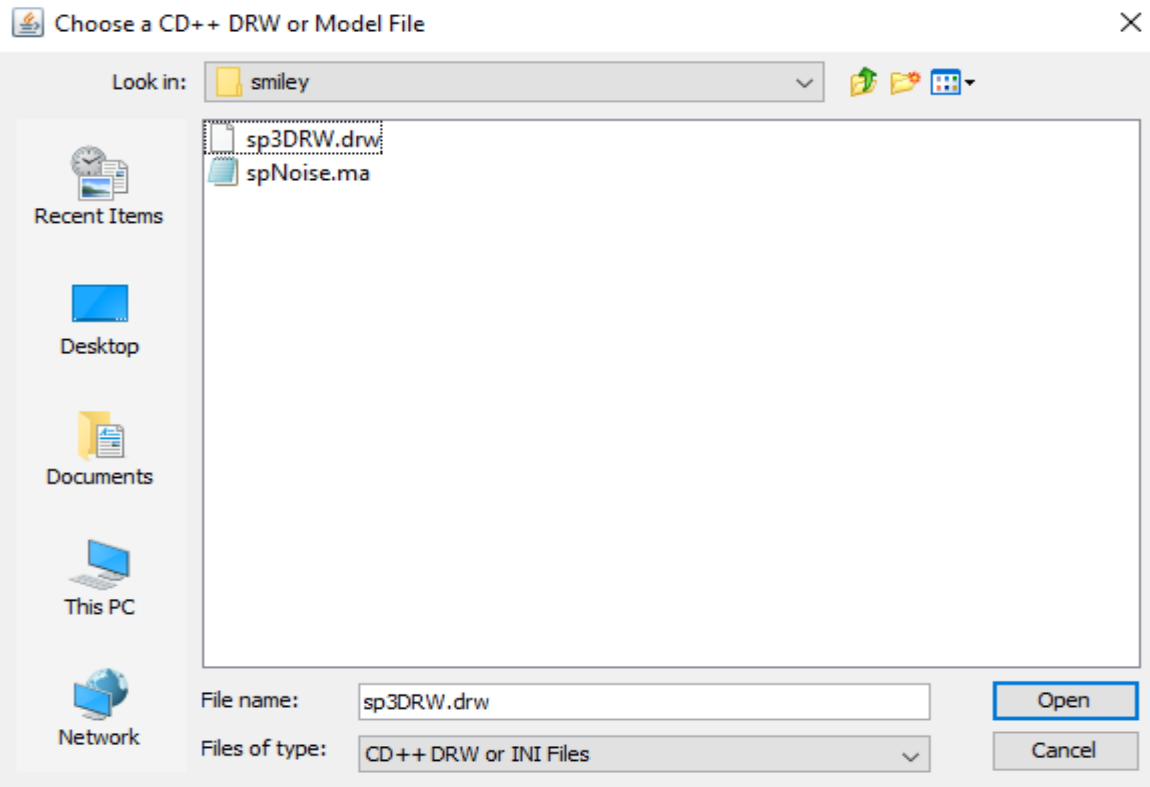
Available Selected

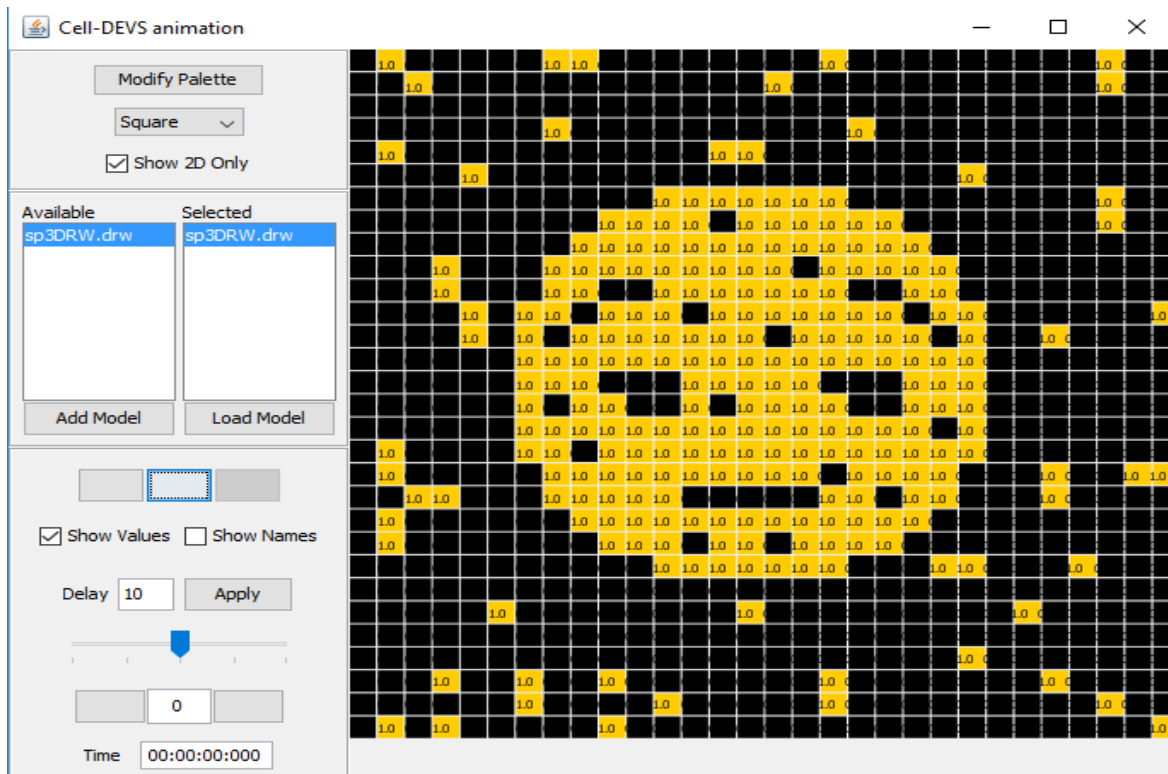
☒ Show Values ☐ Show Names

Delay

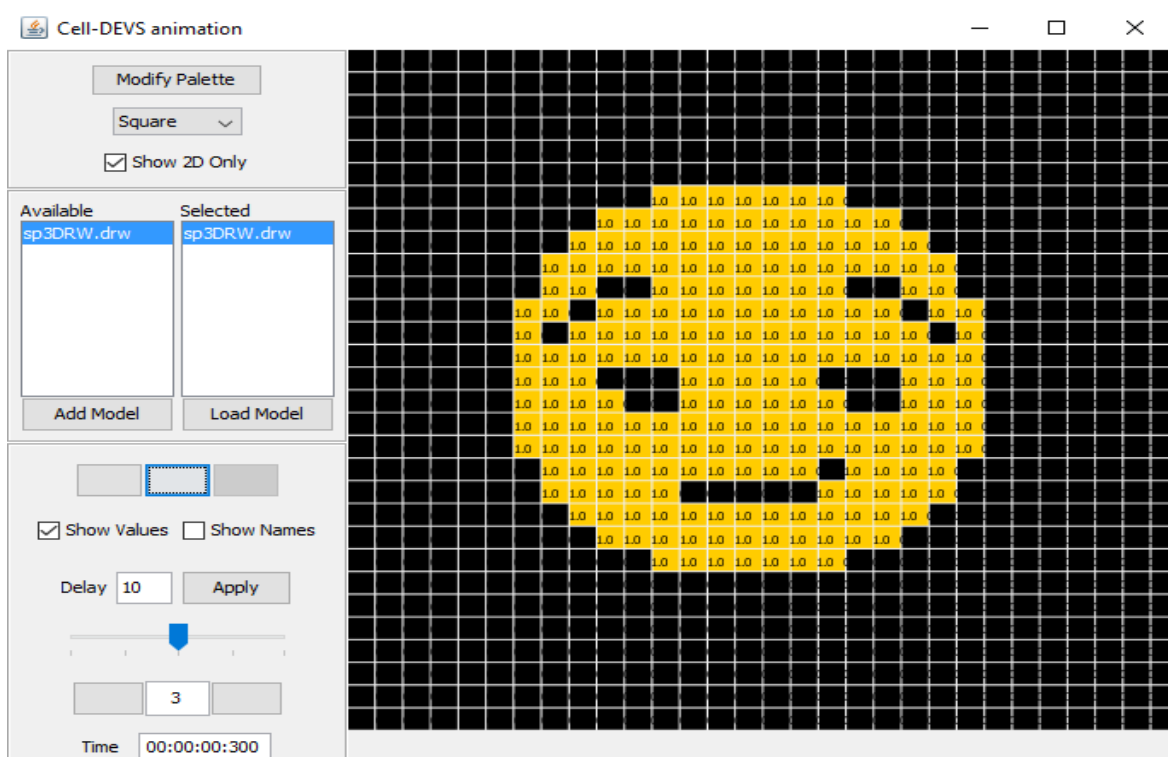
Time

Load draw file by clicking on **Add Model** and load .pal or create it by selecting different colour for different range.





3. Outcome



As you can see all the noise in previous image has been removed. You can also simulate it step by step to make the process clearer.