1. display

This part displays the hexagon cell automata with an infinitely large map. Left click toggles the state of the corresponding hexagon cell. This function is available when the simulation is paused. Holding right click drags the whole map along with the mouse. Scrolling up and down adjusts the zooming rate based on the position of the mouse. If the mouse is out of the widget, zooming will base on the center of the widget. This function is strongly related to the zoom bar. When the zoom rate changes, the zoom bar will also be moved.

1. status display

This widget shows the statistics of the simulation. The number of activated cells and the current step will be displayed in this part.

1. pace controller

This controller controls how fast the simulation goes on. Increase of the pace leads to less time between two steps.

1. pattern suggestion (still thinking)

This part gives some default shape or pattern to initialize the simulation.

1. rule editor

This part controls the rule of simulation. The rule can only be changed when the simulation is paused.

1. clear

Set all cells to death. Initialize the display part.

1. next step

Go to the next step of simulation and pause after each step.

1. pause

Stop and do nothing.

1. run

Keep going to the next step without pause. The pace is controlled by pace controller.

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| RUN | PAUSE | NEXT STEP | CLEAR | rule editor | pattern suggestion |
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| display | | | | |
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| zoom bar |
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| pace controller |
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| Status display |
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