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COG 356 Video Assignment

Emergent behavior of a generational formal system

https://www.youtube.com/watch?v=3H79ZcBuw4M

This video is about neural cellular automata, which are systems divided into a grid of cells, each of which can change based on the states of their neighboring cells. The "neural" part comes from the fact that cells can have non-binary values between 0 and 1. There is also an activation function applied to cells, similar to neurons. It is altogether similar to an L-system, with discrete generations, though significantly more complex and visual.

Grade:

• relevant to generative processes (formal systems and abstract machines)

• substantial

 • informative

 • interesting

$(R*40 + S*20 + I1*20 + I2*20) = (1*40 + .8*20 + .9*20 + 1*20) = 94$