

Review of: "Self-Replication, Spontaneous Mutations, and Exponential Genetic Drift in Neural Cellular Automata"

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Potential competing interests: No potential competing interests to declare.

The manuscript "Self-Replication, Spontaneous Mutations, and Exponential Genetic Drift in Neural Cellular Automata" is well presented and interesting. It is a very comprehensive study including neural cellular automata. CA has many uses in various fields. It can be enriched by mentioning them in the article: spatiotemporal modeling:

<https://doi.org/10.1016/j.cities.2022.104073>; land use change: <https://doi.org/10.1007/s12518-022-00464-w>; designing video game levels <https://doi.org/10.1145/3512290.3528754>; building evacuation

<https://doi.org/10.1016/j.ijdr.2022.102904> etc. In the text, some graphics resolutions can be improved (such as Generation/Phenotype). The self-organizing structure of complex systems and their chaotic structure depending on initial conditions can be emphasized throughout the article. Congratulations!