



Artificial Ecosystems with Aesthetic Form Clusters

Topics: Aesthetics of Digital Art

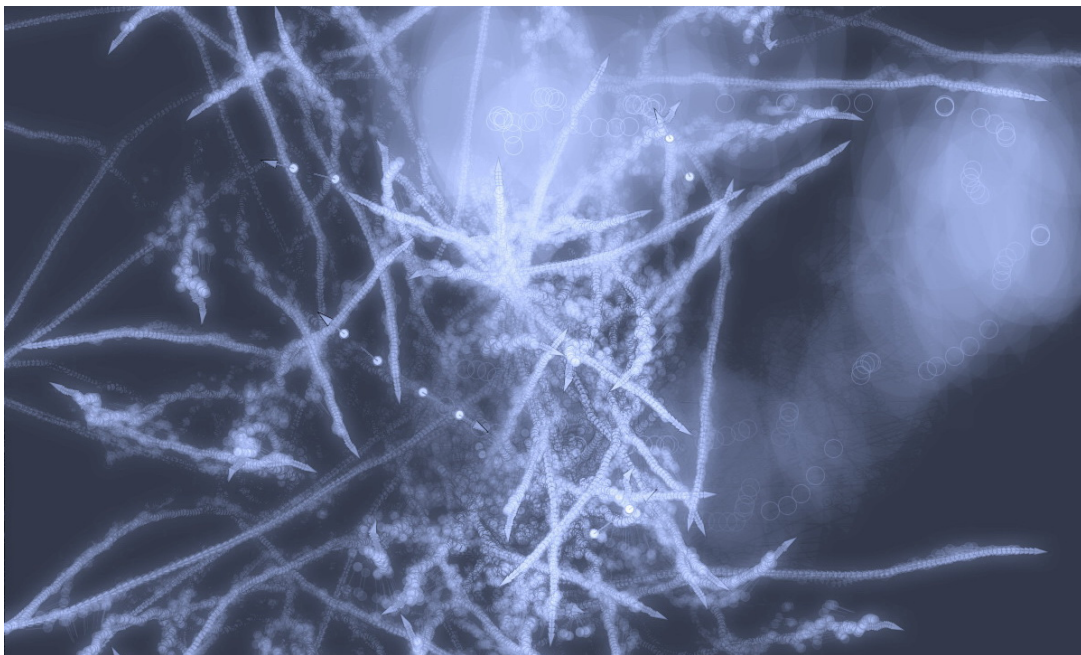
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Abstract

This paper examines the artist's perspective on the concept development and design process behind the generative art series titled *Abiogenesis*. *Abiogenesis* is a virtual world inhabited by active geometric entities that aggregate into clusters of primordial aesthetic forms that change continuously. Evolutionary and aesthetic principles interact in a process that generates new compositions of artistic interest. The series includes video art, an interactive art piece, and digital printmaking. *Abiogenesis* is developed with an artificial system for visual creativity based on an evolutionary computing framework. The paper explores from the perspective posed by McLuhan in what ways the software as a medium for the artistic production behind *Abiogenesis* series influences the original art concept, the artistic development process, and the final output.



Abiogenesis. Still frame from interactive GA art piece by Daniela Sirbu.

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Main References:

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