

Generative Music and Cellular Automata Bibliography

Compiled by David M Burraston Feb 2008

Complex systems such as Cellular Automata (CA) produce global behaviour based on the interactions of simple units (cells). They are fascinating objects, producing more pattern than a single human is capable of observing within their own lifetime. Their evolution is specified by local interaction rules that generate some form of ordered, complex or chaotic behaviour. This wide variety of behaviour represents an important generative tool for both the artist and scientist. CA are at the forefront of the exciting new field of complex systems, having a long and distinguished history in computer science, also forming a foundation for Artificial Life research. The following is an extensive bibliography (popular, historical and technical) of books, papers and websites relating to the interdisciplinary field of generative music and Cellular Automata. The technical papers on CA have been chosen for their particular relevance to both art and science, from the many thousands of papers now available.

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