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Nathan M. Selikoff* (nselikoff@gmail.com), 800 22nd Street, Orlando, FL 32805. *The Confluence of Chaos and Computation in Generative Visual Art*. Preliminary report.

With the rise of accessible computation in the 1960s and 70s, practitioners of mathematics, statistics and physics were suddenly able to explore chaotic dynamical systems in new, powerful, and decidedly visual ways. At the same time, adventurous visual artists were adopting the computer as a new artistic tool in their repertoire, and from their ranks a few embraced chaos theory as a direct source of inspiration, imagery, and algorithms. I will discuss this confluence of mathematics and visual art and then illustrate its impact on my fine art practice. (Received September 13, 2010)