

*The Computational Beauty Of Nature Computer Explorations
Fractals Chaos Complex Systems And Adaptation Gary William
Flake*



The Computational Beauty Of Nature

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Gary William Flake, The Computational Beauty of Nature

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The Computational Beauty of Nature - Preface The scientist ...

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Motivation xvi

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of nature are characterized by self-similarity, parallelism, recursion, and feedback. In Flake's words: "At all levels of nature, recursion and multiplicity of agents promote emergence and self-organization to yield an almost unexplainable form of complexity." This is the central theme of The Computational Beauty of Nature.

Review of The Computational Beauty of Nature by Gary ...

The Computational Beauty of Nature: Computer Explorations of Fractals, Chaos, Complex Systems, and Adaptation. Yet the parts are bound together by the theme of the computer as a laboratory and a metaphor for understanding the universe. The inspired reader will experiment further with the ideas presented to create fractal landscapes, chaotic systems, artificial life forms, genetic algorithms, and artificial neural networks.

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And this book is by far one of my favourite among all the "How Nature Works" kind of books I've read. This Computational Beauty of Nature (CBofN) covered a lot of topics. Ranged from brief introduction to Computation Theory, Fractals, Chaos, Complexity, Adaptation.

Amazon.com: The Computational Beauty of Nature: Computer ...

The Computational Beauty of Nature is a major work, spanning and relating subjects as diverse as fractals, neural networks, genetic algorithms, infinite sets, and the game of life. Geek/Hacker Gary Flake introduces and explains these concepts in an informal tone, which makes reading it enjoyable and understandable.

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