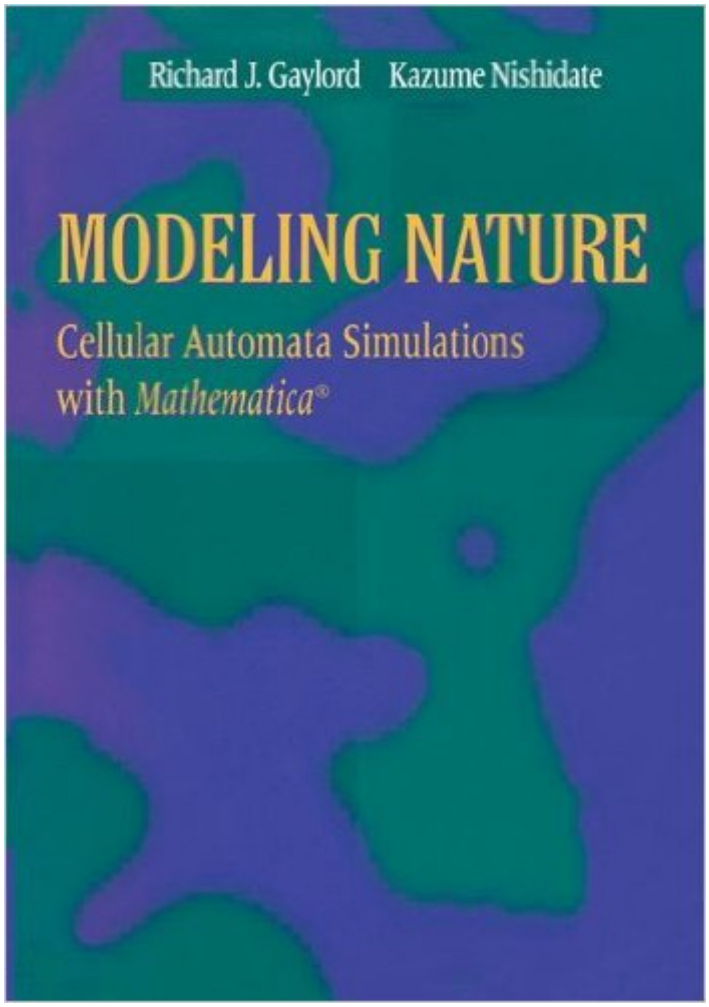
Modeling Nature: Cellular Automata Simulations With MathematicaÂ® (Sciences; 77)



Synopsis

A guide to using Mathematica so as to explore cellular automata within natural phenomena, such as insect colonies, bird flight paths and even DNA sequencing. Designed for physicists, life scientists, and engineers - in fact, everyone dealing with fractals - the book first introduces Mathematica before going on to provide the valuable information needed to properly motivate the code and run the simulations presented in the book. All these simulations have been tested both inside and outside the classroom setting, allowing the book's use as reference material as well as a textbook or course supplement.Packaged together with a DOS diskette enabling cross-platfform access to the code. The files will also be accessible via the World Wide Web.

Book Information

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Customer Reviews

I have got several ideas from this book. I have never used Mathematica, but one of the most important features of the book, is the fact that is enough clear, and its code can be translated to oher languages veary easy. I recomend this book for every person interested in cellular automata applications and implementations rather that pure theory.

great book.

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