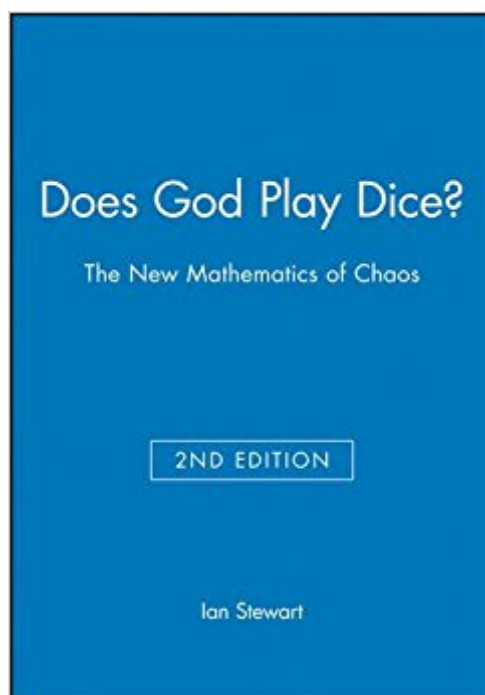


The book was found

Does God Play Dice? The New Mathematics Of Chaos



Synopsis

The revised and updated edition includes three completely new chapters on the prediction and control of chaotic systems. It also incorporates new information regarding the solar system and an account of complexity theory. This witty, lucid and engaging book makes the complex mathematics of chaos accessible and entertaining. Presents complex mathematics in an accessible style. Includes three new chapters on prediction in chaotic systems, control of chaotic systems, and on the concept of chaos. Provides a discussion of complexity theory.

Book Information

Paperback: 416 pages

Publisher: Wiley-Blackwell; 2 edition (February 26, 2002)

Language: English

ISBN-10: 0631232516

ISBN-13: 978-0631232513

Product Dimensions: 5.5 x 1.2 x 8.5 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 stars [See all reviews](#) (25 customer reviews)

Best Sellers Rank: #265,700 in Books (See Top 100 in Books) #36 in [Books > Science & Math > Physics > Chaos Theory](#) #86 in [Books > Science & Math > Mathematics > Pure Mathematics > Discrete Mathematics](#) #126 in [Books > Computers & Technology > Computer Science > Systems Analysis & Design](#)

Customer Reviews

This is the second book I read from Ian Steward. I was looking for another book on the subject of chaos, and having been impressed by a book of his called "The Mathematics of Life," I decided to read this one. I wasn't disappointed. He begins with the Greeks, Eudoxus, Ptolemy, and others and moves through time to Copernicus, Kepler, and Galilei showing how the foundations of mathematics were developed. Later we learn of the works of Euler, Lagrange and his generalized coordinates, Hamilton's work on the state of dynamical systems, and Galton's contributions to the normal distribution. As the 20th century came to a close, statistical methodology took its place alongside deterministic modeling as an equal partner. By chapter six, we are into strange attractors and flows in a plane such as sinks, sources, saddles, and limit cycles. Then there is quasiperiodicity, suspensions, solenoids, and Poincaré sections which can give us interesting pictures of the dynamical behavior. Any text on chaos is, of course, going to cover logistic mapping and bifurcation

diagrams, as well - so does Steward. Chapter ten introduces Mitchell Feigenbaum and the Feigenvalue - a value of 4.669 - the rate at which successive period doublings accumulate faster and faster. Chapter eleven gets into fractals, Julia sets and the infamous Mandelbrot set. I found chapter sixteen very interesting. I'll just quote Steward here, "The central thrust of the chapter is the possibility of changing the theoretical framework of quantum mechanics altogether, replacing quantum uncertainty by deterministic chaos as Einstein would have liked.

[Download to continue reading...](#)

Does God Play Dice? The New Mathematics of Chaos Dice Games New and Old: How to Play Dice Games - Over 50 Including Craps Golden Touch Dice Control Revolution! How to Win at Craps Using a Controlled Dice Throw! Exalted Dice Set: 10 Ten-Sided Dice and Felt Bag What Does It Mean To Be Safe? (What Does It Mean To Be...?) The Devil: Does He Exist and What Does He Do? Acts of God: Why Does God Allow So Much Pain? Own the Wind: A Chaos Novel (The Chaos Series Book 1) Condensed Chaos: An Introduction to Chaos Magic Craps: Strategy! Casino Craps Strategy For Shooting Dice To Win At Craps! (How To Play Craps, Gambling, Las Vegas, Black Jack, Thinking Fast, Brain Power, Brain Training) Learn To Play Craps From Part-time Dice Pros! Entropy - God's Dice Game: The book describes the historical evolution of the understanding of entropy, alongside biographies of the scientists who ... communication theory, economy, and sociology Pok  mon Go: Best Guide to Play Pok  mon Go. Learn All Sneaky Tricks and Play Like A Pro. + Ways To Play Pok  mon Go On Your PC: (Unofficial Pokemon Go Guide, ... Go) (Pokemon Go Secrets, Pokemon Go Tricks) Symmetry in Chaos: A Search for Pattern in Mathematics, Art, and Nature CHAOS, FRACTALS, AND DYNAMICS: COMPUTER EXPERIMENTS IN MODERN MATHEMATICS (DALE SEYMOUR MATH) Differential Equations, Dynamical Systems, and an Introduction to Chaos, Second Edition (Pure and Applied Mathematics) Wong on Dice Scarne on Dice Beat the Bastard Casinos: Pre-Setting Dice--I Beat the Bastards, So Can You!!!     s Cosas Que Dice Mi Abuela!: Dichos y refranes sobre animales (Spanish Edition)

[Dmca](#)