



Reality Rules, the Frontier

By John Casti

Wiley-Interscience. Paperback. Book Condition: New. Paperback. 448 pages. Dimensions: 10.1in. x 7.2in. x 1.6in. Casti Tours offers the most spectacular vistas of modern applied mathematics. -- Nature Mathematical modeling is about rules--the rules of reality. Reality Rules explores the syntax and semantics of the language in which these rules are written, the language of mathematics. Characterized by the clarity and vision typical of the authors previous books, Reality Rules is a window onto the competing dialects of this language--in the form of mathematical models of real-world phenomena--that researchers use today to frame their views of reality. Moving from the irreducible basics of modeling to the upper reaches of scientific and philosophical speculation, Volumes 1 and 2, The Fundamentals and The Frontier, are ideal complements, equally matched in difficulty, yet unique in their coverage of issues central to the contemporary modeling of complex systems. Engagingly written and handsomely illustrated, Reality Rules is a fascinating journey into the conceptual underpinnings of reality itself, one that examines the major themes in dynamical system theory and modeling and the issues related to mathematical models in the broader contexts of science and philosophy. Far-reaching and far-sighted, Reality Rules is destined to shape the insight and work of...



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