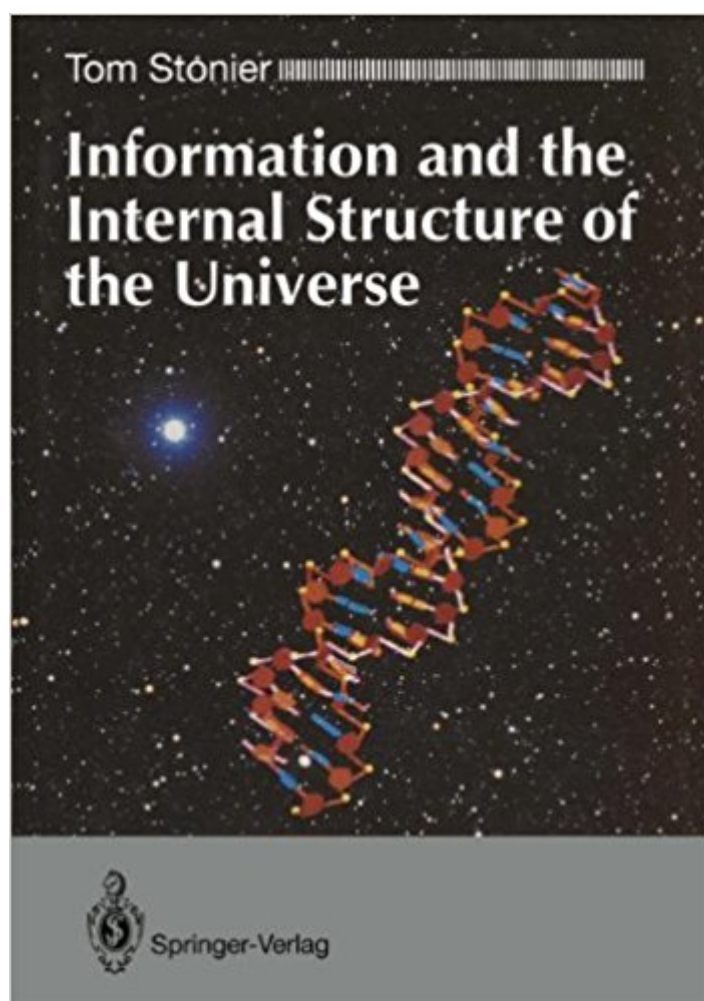


The book was found

Information And The Internal Structure Of The Universe: An Exploration Into Information Physics



Synopsis

The first of a planned trilogy, this book examines the proposition that "Information" is as much a part of the physical universe as energy and matter. The acceptance of such a proposition has profound implications for the physical sciences; it also lays the foundations for a general theory of information. This book is directed firstly at researchers in information theory and scientists in other disciplines. However, its relatively non-mathematical nature and accessible writing style place it at the "scientific" end of the spectrum of popular science books. A general theory of information will emerge in the second volume; the third will examine the mechanism and evolution of human and machine intelligence.

Book Information

Hardcover: 155 pages

Publisher: Springer; 1 edition (September 7, 1990)

Language: English

ISBN-10: 3540195998

ISBN-13: 978-3540195993

Package Dimensions: 10.1 x 6.8 x 0.7 inches

Shipping Weight: 14.9 ounces

Average Customer Review: 3.4 out of 5 stars 3 customer reviews

Best Sellers Rank: #3,235,185 in Books (See Top 100 in Books) #77 in [Books > Science & Math > Physics > Entropy](#) #871 in [Books > Computers & Technology > Computer Science > Information Theory](#) #1064 in [Books > Textbooks > Computer Science > Artificial Intelligence](#)

Customer Reviews

Author introduces a conceptual framework to approach information at the natural science (physics) level and shows various examples and ideas to quantify as well as compare "meaningful" information content and organization in physical systems and elements. It brings ideas from thermodynamics and biological systems and develops seed ideas mentioned by Werner Heisenberg in his seminal book "What is Life?". Earlier review from Glenn appears to have been written without reading the book or based pre-conceived notion. The objection raised is completely and thoroughly addressed in pp. 56 - 59 and is accessible to anyone with basic understanding of physics and math.

Entropy is not disorder; this has been demonstrated many times for those interested. It cannot be negative, it can only decrease, it is a state function difference. It is not the negative of information,

which is not a new force but requires an interpreter/recognizer. The comment that Shannon confused the situation by attributing randomness with maximum information has some truth but belies the fact Shannon was able to equate the rate of information transmission with a reduction of uncertainty to the receiver, a subtle but critical fact explained elsewhere as I have referenced many times. The book is wildly overpriced which is the real clue.

For a reader familiar with basic math, this book contains an interesting introduction to the idea that information is as real and as important to science as energy is. It's easy to read.

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

Information and the Internal Structure of the Universe: An Exploration into Information Physics
DARK ENERGY: The Biggest Mystery In The Universe (dark matter, how the universe works, holographic universe, quantum physics) (black holes, parallel universe, the string theory)
Elementary Particles : The Building Blocks of the Universe - Physics and the Universe | Children's Physics Books
Hearing Before the Subcommittee to Investigate the Administration of the Internal Security Act and Other Internal Security Laws of the Committee on the Judiciary United States Senate (Communist Exploitation of Religion)
The Jazz of Physics: The Secret Link Between Music and the Structure of the Universe
The Tao of Physics: An Exploration of the Parallels Between Modern Physics and Eastern Mysticism
Electronic Structure and the Properties of Solids: The Physics of the Chemical Bond (Dover Books on Physics)
The Tai Chi Code: An exploration of the science behind the Internal Arts
Physics of the Impossible: A Scientific Exploration into the World of Phasers, Force Fields, Teleportation, and Time Travel
My Mueller Spiral-Ultra Vegetable Spiralizer Cookbook: 101 Recipes to Turn Zucchini into Pasta, Cauliflower into Rice, Potatoes into Lasagna, Beets into ... Slicer! (Vegetable Spiralizer Cookbooks)
Libraries in the Information Age: An Introduction and Career Exploration, 2nd Edition (Library and Information Science Text)
Seismic Hydrocarbon Exploration: 2D and 3D Techniques (Advances in Oil and Gas Exploration & Production)
A Generalized Approach To Primary Hydrocarbon Recovery Of Petroleum Exploration & Production, Volume 4 (Handbook of Petroleum Exploration and Production)
Solution Key for Algebra and Trigonometry: Structure and Method: Book 2 (McDougal Littell Structure & Method)
Advanced Organic Chemistry: Part A: Structure and Mechanisms: Structure and Mechanisms Pt. A
URBEX: Urban Exploration For Beginners: Discover Abandoned Buildings, Hidden Cities & Access All Areas (Urban Exploration, City Hacking, Caving, Urbex)
The Solid State: An Introduction to the Physics of Crystals for Students of Physics, Materials Science, and Engineering (Oxford Physics Series)
Head First Physics: A learner's companion to mechanics and practical physics (AP Physics

B - Advanced Placement) Physics for Scientists and Engineers with Modern Physics: Volume II (3rd Edition) (Physics for Scientists & Engineers) Physics for Kids : Electricity and Magnetism - Physics 7th Grade | Children's Physics Books

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)