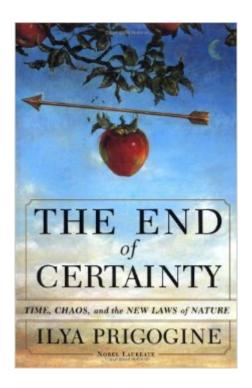
## The book was found

# **The End Of Certainty**





## **Synopsis**

Time, the fundamental dimension of our existence, has fascinated artists, philosophers, and scientists of every culture and every century. All of us can remember a moment as a child when time became a personal reality, when we realized what a "year" was, or asked ourselves when "now" happened. Common sense says time moves forward, never backward, from cradle to grave. Nevertheless, Einstein said that time is an illusion. Nature's laws, as he and Newton defined them, describe a timeless, deterministic universe within which we can make predictions with complete certainty. In effect, these great physicists contended that time is reversible and thus meaningless.

#### **Book Information**

Hardcover: 240 pages

Publisher: Free Press; 1 edition (August 17, 1997)

Language: English

ISBN-10: 0684837056

ISBN-13: 978-0684837055

Product Dimensions: 5.5 x 0.9 x 8.4 inches

Shipping Weight: 12 ounces (View shipping rates and policies)

Average Customer Review: 4.3 out of 5 stars Â See all reviews (30 customer reviews)

Best Sellers Rank: #77,740 in Books (See Top 100 in Books) #14 in Books > Science & Math >

Physics > Chaos Theory #27 in Books > Science & Math > Experiments, Instruments &

Measurement > Time #51 in Books > Science & Math > Physics > Relativity

### **Customer Reviews**

Many people presume that the integration of various domains of science into a single unified "superscience" will ultimately show that everything reduces to physics. In fact, one earlier reviewer of "The End of Certainty" closed his review saying, "Biology is, in the end, physics."There is a way in which biology could be "reduced" to physics, but only if we learn to define "physics" very differently than we do today. Prigogine shows why biology CANNOT be reduced to context-independent, deterministic contemporary physics. (Read Robert Rosen's "Essays on Life Itself" for the most profound and fundamental explanation, based on non-integrable, complex, "impredicative loops of efficient causation".)"The End of Certainty" is an important work because it points toward a revolutionary realignment of fundamental physical principles, theoretical perspectives, and even scientific methodology. In fact, it draws together many of the crucial elements that ultimately will result in the inevitable emergence of a fundamentally transformed model of scientific epistemology.

It's an important snapshot of a pivotal stage in the evolution of scientific knowledge. There has not been a coherent major shift in the foundational paradigms of physical science since the emergence of relativity and quantum physics in the early 20th century. The pioneers of those physical models, if not the models themselves, behaved as feuding brothers from the start. That disputatious relationship is perhaps best typified by Einstein's famous rebuke of the indeterminacy of quantum physics: "God does not play dice with the universe.

I did buy this book some time ago and then I was fascinated. I studied the basis of his theory, but unfortunately, Prigogine passed away recently, before I can discuss with he some topics in more detail. The greater part of the book is written in a natural style, but some sections are highly mathematical even for the majority of scientists! This mathematical presentation has a curious explaining. There are several version of Prigogine's theory, but the first versions had been "abandoned", and then Prigogine details the new approach: "Star-unitary theory for LPS outside of Hilbert space". An earlier reviewer said that the book provides a solution to three of the most important problems in science: (1) Time's arrow. (2) The measurement problem in QM. (3) The existence of freewill. Precisely, I am working in those and other questions, and I do not believe that claim was completely correct (and perhaps Prigogine believed the same, because in his last communication, said me "The questions that you ask are very difficult."). In my opinion, the novel theory is conflictive both in mathematical and physical details, but I consider that, at least, the aim of the School is correct one. Irreversibility and uncertainty are two fundamental features of our universe. I see that orthodox physics (including particle physics and the so-called String-M theory) is incorrect and/or inapplicable. I believe that, whereas other "popular" books (The Quark and The Jaguar, The Elegant Universe, etc.) should be "relics" in 21st century physics, Prigogine's book will be then a basic work. The contributions of Prigogine's physics to the understanding in other disciplines, as chemistry, are not clear.

#### Download to continue reading...

The End of Certainty Death Investigation in America: Coroners, Medical Examiners, and the Pursuit of Medical Certainty Certainty: A Novel The Later Works of John Dewey, Volume 4, 1925 - 1953: 1929: The Quest for Certainty (Collected Works of John Dewey) Contested Federalism: Certainty and Ambiguity in the Canadian Federation The Idolatry of God: Breaking Our Addiction to Certainty and Satisfaction Controller-Based Wireless LAN Fundamentals: An end-to-end reference guide to design, deploy, manage, and secure 802.11 wireless networks Linux, Apache, MySQL, PHP Performance End to End Single Page Web Applications: JavaScript end-to-end The Dying Process

- A Hospice Social Worker's Perspective On End Of Life Care: A helpful guide for coping and closure during end of life care Don't Put Me In, Coach: My Incredible NCAA Journey from the End of the Bench to the End of the Bench Trouble in Paradise: From the End of History to the End of Capitalism How to End an Unhappy Marriage: An Essential Guide to Letting Go Emotionally, Preparing Yourself Mentally, and Moving On Physically - (When to Get a Divorce | When to End a Marriage) What Stays in Vegas: The World of Personal Data—Lifeblood of Big Business—and the End of Privacy as We Know It Look Smarter Than You Are with Smart View and Essbase 11: An End User's Guide The Monster at the End of This Book (Sesame Street) (Big Bird's Favorites Board Books) The Complete Armor of God (Spiritual Warfare for End Time Warriors Book 1) Flawed Dogs: The Year End Leftovers at the Piddleton "Last Chance" Dog Pound Rapture: An End Time Chronology (Prophecy Book 1) Sacred Dying: Creating Rituals for Embracing the End of Life

Dmca