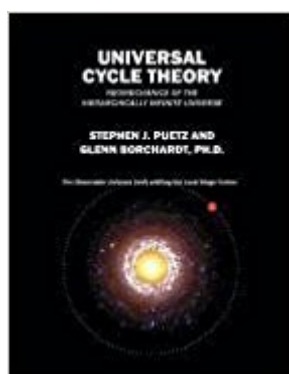


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Universal Cycle Theory: Neomechanics Of The Hierarchically Infinite Universe



Synopsis

There are only two elements that make the Universal Cycle Theory radical - cycles and infinity. Other than that, much of what you read in the book will seem familiar and conventional. The book focuses on these key elements in the following ways. Cycles are crucial because they explain how matter moves. Motions develop because of two types of cycles - vortices and waves. A vortex causes matter to rotate, which produces circular cycles. And waves cause matter to compress-and-decompress in repeated oscillations, which produce linear cycles. According to the Universal Cycle Theory, these two basic motions explain much, if not most, of what happens in the universe. Infinity is crucial because it explains the extent and structure of the universe. Based on logic and observations, we assume that matter is infinitely divisible and integrable. We also assume that time was infinite in the past and will be infinite in the future. From the literature, we could not find an example of this concept of infinity previously employed in a model of the universe. Indeed, this model is unique. Importantly, it explains many of the paradoxes and contradictions currently riddling physics and cosmology. This explains the title of our book - Universal Cycle Theory: Neomechanics of the Hierarchically Infinite Universe. Cycles explain the motions in the universe, infinity explains the hierarchical structure of the universe, and neomechanics explains the physical laws used in the theory. Think of neomechanics as an adaptation of classical mechanics to conform to infinity. The neomechanical worldview offers something that no other theory has to this point - unique insights and perspectives into some of the most challenging dilemmas facing scientists. For example, the neomechanical model helped us discover the cause of gravitation. More than three centuries ago, Newton developed an equation for gravitation. However, no one has ever identified the actual physical cause. The prevailing view, of course, is that gravity is a pull; whereas, we describe it as a push. Gravitation follows the inverse-square law, just as Newton said; it involves inertia, just as Einstein said; it involves pushing, just as Lesage said; it includes vortex motion, just as Descartes said; and it entails aether, just as many philosophers since the ancient Greeks said. Even though we agree with these old and much-debated gravitational theories, none of them are adequate. In formulating the neomechanical theory of gravitation, we took the best from the best, and added a few new ideas. The rest fell into place with little effort. We discovered that gravitation results from aethereal pressure - nearly the same as air pressure. After reading the book you will wonder: "Why didn't I think of that myself?" New theories purporting to explain the universe are common. However, supporting a theory with credible evidence is another story. This book explains the physical reason for gravitation in great detail. Of course, gravitation is so basic, and its solution formerly so intractable, that one should expect the discovery of its physical cause to impinge on the

rest of science. As exciting as it is, this discovery only represents the tip of the iceberg. It also gives solutions to other puzzles by using neomechanics. The revelations included dark matter, dark energy, dark flow, black-holes, magnetic bonding, molecular bonding, light wave propagation, geomagnetic reversals, volcanic episodes, climatic cycles, mass-extinction cycles, and much, much more. To make a long story short, it has too much intriguing content to tell in this brief introduction.

Book Information

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Customer Reviews

I spend considerable time studying stock market cycles in making my investment decisions, and I'm always looking for more information on what causes / influences cyclic behavior in stocks, and in the bases for forecasts of future stock market behavior. I have to say that I got a lot more than I expected in this book. I'm an engineer by background, with early interest in the space program and the universe we live in. The physics & astronomy in this book were interesting but overwhelming; and, putting those aside, even the sections of the book discussing cycles covered a lot of information. The book forecasts theoretical stock market turning points, which was one of the things I was looking for in buying this. I will use this as a static reference, and let the author to do all the hard work to compile & analyze & update the forecasts in his investment letter. I find much of this book of interest. It's going to take several readings to put it all in perspective.... not a quick read, but an interesting one when you have some time to relax and open your mind.

This is a controversial book, to say the least. The author basically challenged the existing view held by the scientific community and provided a new paradigm on how this world is structured. It is a

book you either love or hate, as you can see from the previous book reviews, either 5 or 1/2s. In essence, the author views this world in a neo mechanical way and uses it to explain both micro and macro world. The argument by itself is self-contained, which means not much contradiction among them. On the other hand, you can say the argument is circular as some reviewers point out. This book covers many topics, atomic/molecular theory, gravitation, origin of the universe, biology..... If you are curious and like intellectual challenge, I recommend you to read this book. You might not agree with the author, but the idea is indeed thought provoking. There are two things left open for the potential weakness: Ten assumption and aether. The ten assumptions are the foundation of this theory; you have to agree them all. The physical foundation of this theory is aether, a particle Newton brought up hundreds years ago. But we haven't seen it or developed a way to prove its existence. The author's explanation is that human beings have filter out the aether in their observations since aether is everywhere. In summary, it is a good book to read and you will get alternative view of the world. I give it five stars for it is hard to come by a book that is so thought provoking and controversial, but it is not for everyone.

Decades ago, the head of the physics department of my university told me that physicists will always accept the 'simpler' explanation (I had not heard the term "Occam's razor" at the time). In the decades since, we have learned of such things as 'branes,' 'strings,' and 'multi-dimentionalism.' Clearly, the professor was mistaken. If one's theory is more complex, it is more likely to be taken seriously. "Universal Cycle Theory" lays out a more simple explanation of the way the universe works. Will it be taken seriously? Not by those who read only the first four chapters and then give it a single star. I am of two minds about the book. The work on cycles, which builds upon the earlier work presented in "The Unified Cycle Theory" is deserving of a major award, the only question is what field it should be given in -- physics, chemistry, economics? Physics, I suppose. Stephen Puetz bends himself into a metaphorical pretzel presenting his sources and methods. If you want to doubt him, be prepared to show that you have done as much research as he has. I have some qualms about other parts of the book. The first is with the idea of infinity. The earlier work of Mr. Puetz hinted at the possibility of something beyond the observable universe, as has information from the WMAP satellite, but I do not understand why one has to expand that to a belief in infinity instead of merely 'more.' The same is true of the finding of matter smaller than the electron. Why does that necessitate the belief in the 'infinitely smaller?' Perhaps I will understand this better after I re-read the book. My second misgiving concerns the matter of aether. My copy of the "Oxford Dictionary of Science" states that "It is now regarded as unnecessary." I used to take that to mean

'non-existent.' My 1972 edition of "Asimov's Guide to Science" states that 'ether' "met its Waterloo as a result of (the "Michelson-Morley") experiment." Of course, that led me to look up the work of George Francis FitzGerald and Hendrik Antoon Lorentz. There is/was the question of the contraction of matter. Some propose it is the contraction of the aether. And that led me to...and on and on. I thought of so many arguments, only to find that each had been addressed by someone along the way, but each discovery led to another question...and so it went. So many scientists insist that the existence of aether has been disproved, yet I can find quotes from many of the most famous names that indicate their belief in its existence. What is a poor civilian to do? I wish that Mr. Puetz and Dr. Borchardt had spent more time on the subject. Another annoyance is the lack of an index. I would often read something that would make me want to look back at something previous. An index would have been helpful. If I had previously marked what I was looking for, there was a good chance of success, but if I had not, my search would often end in failure. Those questions aside, this is a detailed, much-referenced, serious work that is worthy of the time of anyone who believes in studying information from all points of view. Most people who read a book like this don't need to be told to 'keep an open mind.' They already have one. If you find flaws in the work, present them to the authors, without hurling insults, and allow them to respond.

I recommend the work to everyone interested in cycles. Stephen Puetz delivers a great framework of different composite cycle frameworks with geomagnetic, gravitational forces.

The Universe is in constant motion. That is why we have matter. There is infinite time. That is like having no time. Time is an illusion. In fractals as above so below. Material cycles govern sociological cycles and geological cycles and economic cycles. If you look at a water molecule you collapse the ocean wave.

a viable theory of the motion of matter. Energy does not exit in matter. Energy only exit when matter interact with other matter. Einstein and quantum mechanics needs major revision.

I have been a fan of Dr. Borchardt's scientific logic for 20 years. It's true that if scientists don't question the presently accepted "facts" opined by Einstein nearly 100 years ago (and others before that), then we are unlikely to search as hard for new ideas. I am currently reading "Universal Cycle Theory" and I'm sure it will, at the very least, be an interesting and compelling read.

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