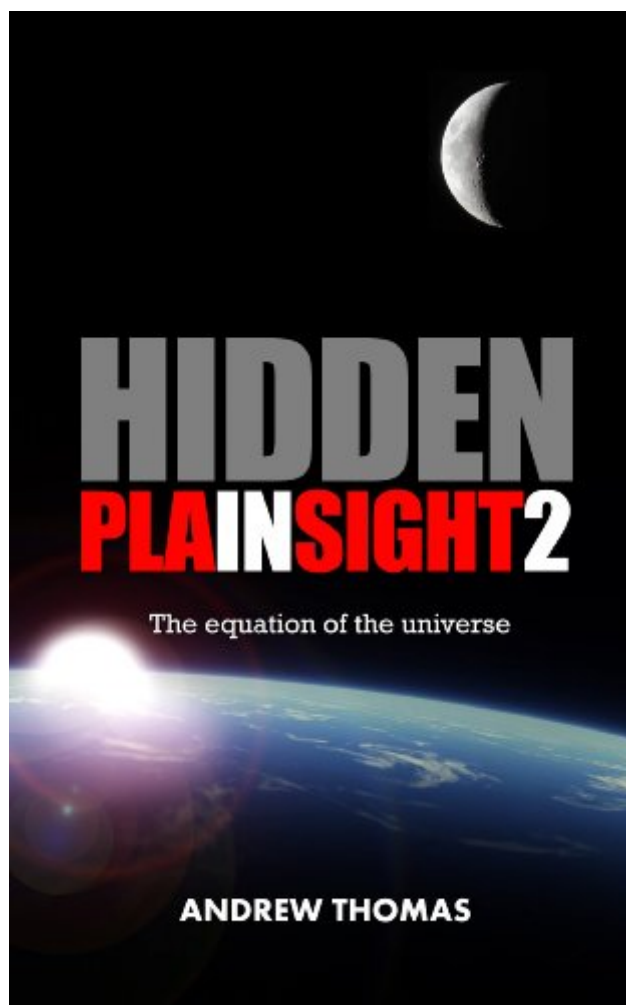


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Hidden In Plain Sight 2: The Equation Of The Universe



Synopsis

You never knew theoretical physics could be so simple! Why do things move? Why is the expansion of the universe accelerating? Is the universe a black hole? This exciting book considers some of the deepest and most important questions in physics. Enjoy a thrilling intergalactic tour as Andrew Thomas redefines the force of gravity and introduces a brave new view of the universe!

Book Information

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Customer Reviews

Hidden in Plain Sight 2: equation of the universe by "Andrew Thomas""Hidden in Plain Sight 2" is an informative theoretical physics book that looks at a possible solution to the unsolved mysteries behind gravity, dark energy, and black holes. I found this book to be equally and in some respects even more interesting than his previous book, "Hidden In Plain Sight". In this rendition, Dr. Thomas looks at various unsolved problems in theoretical physics. Once again, I'm not a qualified physicist and can't make any assertions to the validity of the theories presented in this book but at the very least I welcome the author's engaging and accessible approach that makes such books enjoyable for the laypersons to read. This ambitious 170-page book includes the following nine chapters: 1. Introduction, 2. Gravity, 3. Cosmology, 4. Dark Matter and Dark Energy, 5. Black Holes, 6. The Soap Bubble Universe, 7. Gravity Revisited, 8. How to Create Your Own Universe, and 9.

Conclusion. Positives: 1. A well-written, succinct, accessible book for the masses. 2. A fascinating topic in the hands of an inquisitive mind. 3. Does a wonderful job of introducing concepts and/or scientific principles to the readers at an enjoyable and accessible level. Familiar concepts like entropy are explained in a conversational manner thus making it much easier for readers to understand. "Entropy can be thought of as the amount of disorder or randomness in a system." 4.

In the past two weeks I read *Hidden in Plain Sight* and *Hidden in Plain Sight 2*. I have an MS degree in solid state physics from Purdue (1969). I worked my entire career in the quartz crystal field (mostly for sensor applications). I am not really conversant in the field of Cosmology, but I have had an interest in it, especially with the attention being given to the new discoveries in recent times. However, just as Thomas, I have always been troubled by String Theory and any theory that involves multiverses (a nearly infinite number of universes being "created" every second "give me a break!"). His two books present a very thoughtful, logically progressive, and easy to understand development of his theory of almost everything. Not being conversant in cosmology, I cannot find fault in his work. I await the consensus of his peers. But I must say, WELL DONE! I made notes of comments and questions as I read book 2: 1. On page 74 of *Hidden in Plain Sight 2* you left out the c^2 term in Friedmann's Acceleration equation. Otherwise, the density term cannot be added to the pressure term because the units don't correspond. The equation should have $(\ddot{a} + 3P/c^2)$. 2. Why isn't there a "hole" at the "center" of the universe caused by the Big Bang, if the Big Bang caused all of the mass-energy to "fly" away? Because of inflation, or your modified gravity theory? Why is the entire universe more-or-less uniform? Is it "spherical"? 3. One simplified description of the Big Bang I have heard is to think of galaxies being represented by raisins in the rising dough of a loaf of raisin bread "as the dough rises all of the raisins move away from each other. If that were the case, all the visible objects in the universe should be red-shifted.

After reading Dr. Thomas's first book, I was looking forward to this follow-up. I was sorely disappointed. The main lesson in the first book, that absolute space and time don't exist, was entirely forgotten in "*Hidden in Plain Sight II*". The notion that all matter starts off in the "center" of the universe and then migrates to the "edge" (at the Schwarzschild radius) is ridiculous. There is no "center" and there is no "edge." Every object not only sees itself at the exact center of the universe, but in fact it actually is at the exact center. That's the whole point of relativity. Dr. Thomas also commits the fundamental error of most physicists and cosmologists (including the famous ones like Leonard Susskind, Stephen Hawking, and others) that entropy is "missing information." Claude

Shannon's definition of information is exactly the same as Boltzmann's definition of entropy.

Shannon was even bold enough to state that entropy and information are exactly the same. It's true that entropy increases when a system becomes more "disordered." But disordered systems actually contain more information than ordered ones, not less. (It takes more bits to describe a disorderly system than an orderly one.) Entropy is not "missing information" but simply "information." There are other contradictions. Dr. Thomas states that nature tends to minimize potential energy wherever possible and then describes the principle of least action, which minimizes the difference between the kinetic and potential energy of a system over time. These two principles would appear to be at odds with each other and this needs to be explained. I thought the first "Hidden in Plain Sight" book was a much more profound book.

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