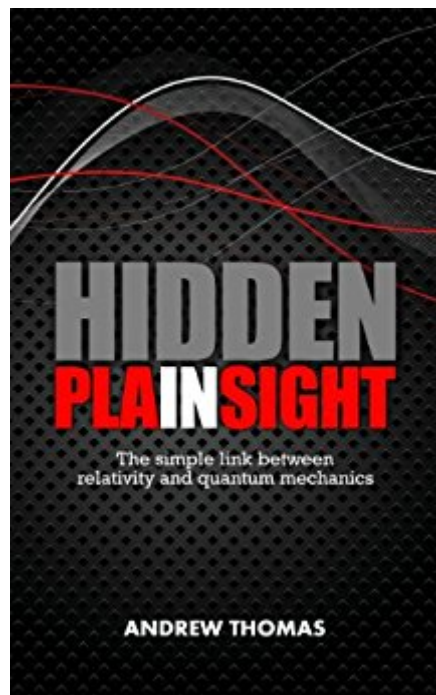




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Hidden In Plain Sight: The Simple Link Between Relativity And Quantum Mechanics



Synopsis

You never knew theoretical physics could be so simple! In this exciting and significant book, Andrew Thomas clearly illustrates the simplicity which lies behind nature at its fundamental level. It is revealed how all unifications in physics have been based on incredibly simple ideas. Using a logical approach, it is explained how the great 20th century theories of relativity and quantum mechanics share a common base, and how they can be linked using an idea so simple that anyone can understand it. An idea which is so simple it has been hidden in plain sight.

Book Information

File Size: 1763 KB

Print Length: 167 pages

Page Numbers Source ISBN: 1469960796

Publication Date: June 9, 2012

Sold by: Amazon Digital Services LLC

Language: English

ASIN: B008ABSSIW

Text-to-Speech: Enabled

X-Ray: Enabled

Word Wise: Enabled

Lending: Not Enabled

Screen Reader: Supported

Enhanced Typesetting: Enabled

Best Sellers Rank: #26,225 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #4

in Kindle Store > Kindle eBooks > Nonfiction > Science > Physics > Quantum Theory #5

in Kindle Store > Kindle eBooks > Nonfiction > Science > Physics > Relativity #10

in Books > Science & Math > Physics > Relativity

Customer Reviews

I can only hope that Thomas' hypothesis becomes a theory. It is indeed an elegant and uncomplicated solution. It is so obvious that it has eluded the most brilliant minds the world has produced. The reason why I hope it's declared a theory is of course irrational selfishness in the sense that finally, the inherent uncertainty in our best theories in physics are put to good use to my mind. Like Einstein, I do not believe that the inherent property of reality is one of utter uncertainty; but certainly of probability. The probability that what we all experience during our daily lives is a

smokescreen underwritten by arbitrary laws that's infirm and transgressable... remote, I wager. As are the probability of multi-verses splitting ad infinitum in split seconds. I am not nearly advanced enough in physics for my opinion to count anything. But for the first time the theories of special relativity, general relativity and quantum mechanics make sense to me. And believe me, I've read a lot about them. Even if Thomas' hypotheses are not accepted, his vision has helped me enormously to understand the inherent uncertainty in what we believe to be firm reality. It is firm. There us nothing to question and there is no supernatural malarkey to upset our declared theories. Thank you so much for clearing up that sir! Now all your books are on my wish list.

I came across this book on the author's website, where he covers a lot of interesting topics (some of which are included in the book). I assumed this book was a popularisation of standard physics theory (and the author does cover a lot of standard sub-atomic theory in a very concise and clear way), but this book goes beyond that to cover the author's own ideas and theories. This is quite thought provoking, although I would caution that not all of it is universally supported in the academic community. In particular, his thoughts about the links between gravity and quantum theory are interesting, but not proven.

By chance I stumbled across this book while perusing the kindle lending library. A few weeks later I returned the book and bought a copy. This book is a deceptively easy read with deceptively simple ideas. I could rate this book based on a list of pros and cons or likes and dislikes but decided against that. After a second reading (with a few weeks in-between reads), I give this book five stars even though there is a certain amount of repetitiveness which irritates me. My rating is based solely on the amount of time the ideas introduced within this book have occupied my thinking since I started reading it; not on whether I agree or disagree with any of them. Those ideas and their implications are taking a long time to digest. Rarely have I read such a simple book that has affected my thinking for so long afterwards.

This, and the subsequent two books in the series, are without doubt the best written, most original, and delightful books in the area of physics for the lay reader that have been published in decades. The remarkable thing about them is that while one may be occasionally challenged by the concepts initially, the author always provides clear, simple, and completely understandable explanations so that even the most complex theories are intellectually accessible. Such was the genius of Richard Feynman, and so also is the genius of Andrew Thomas. Virtually all of the major theories, problems

and controversies current today in the area of quantum mechanics and relativity are addressed and most remarkably of all a much sought after link, a plausible unification of sorts, between them is given. Starting with the obvious truth that there is "...nothing outside the universe", the author is able to construct a systematic explanation of the major concepts behind modern physics in such a way that reader is both informed and delighted.

Dr, Thomas is an amazing writer. I have all 7 of his books and read them all with pleasure. Not a dull moment in any of the books. He has amazing insight and ideas of his own. I have background in physics so this was easy reading for me, but it is clearly written for general audiences. I have read just about all popular physics/cosmology books of recent era this series is certainly best and Dr. Thomas is very best. I hope he continues the series.

Simple enough I need to read it again, taking the time to explore each link presented as bookmarks throughout the text. Thomas writes engagingly, never blathering on from a perch above us but wisely presenting his arguments in a coherent and reasoned order - that order being fundamental to arrive with him to the conclusion of his reckoning on unification. I think many in academe would do well to read this and, at the very least, consider the consequences of Thomas' hypothesis especially in light of two important principles: the first as repeated often by the author, that a theory that arrives at the simplest and most workable conclusion is by its nature elegant and secondly, an immense amount of money, time and brainpower has produced almost no workable results and led to hypotheses that require fanciful math and/or a number of unmeasurable entities (e.g. additional dimensions - 11? 19? Again, these serve only to make the math work. An accountant that tried that would be trading a green visor for prison orange.) I recommend this highly for anyone with a scientific curiosity. It both satisfies and leaves an appetite for more.

A very good book on a tremendously interesting subject. At times even the author's simple explanations seem to still be over my head, however when I re-read the difficult areas it begins to be clear to me. I can't help but marvel at the amazing connections demonstrated. If you are just beginning to wrap your mind around quantum mechanics and its relationship to the physical world, give this book a try.

Very well written, uses mostly simple language to explain complicated concepts. I got half a dozen ah-ha moments out of this book. Recommended for those with some college science courses. Does

not need much to get this biio. As far as I remember only one formula in the whole book.

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