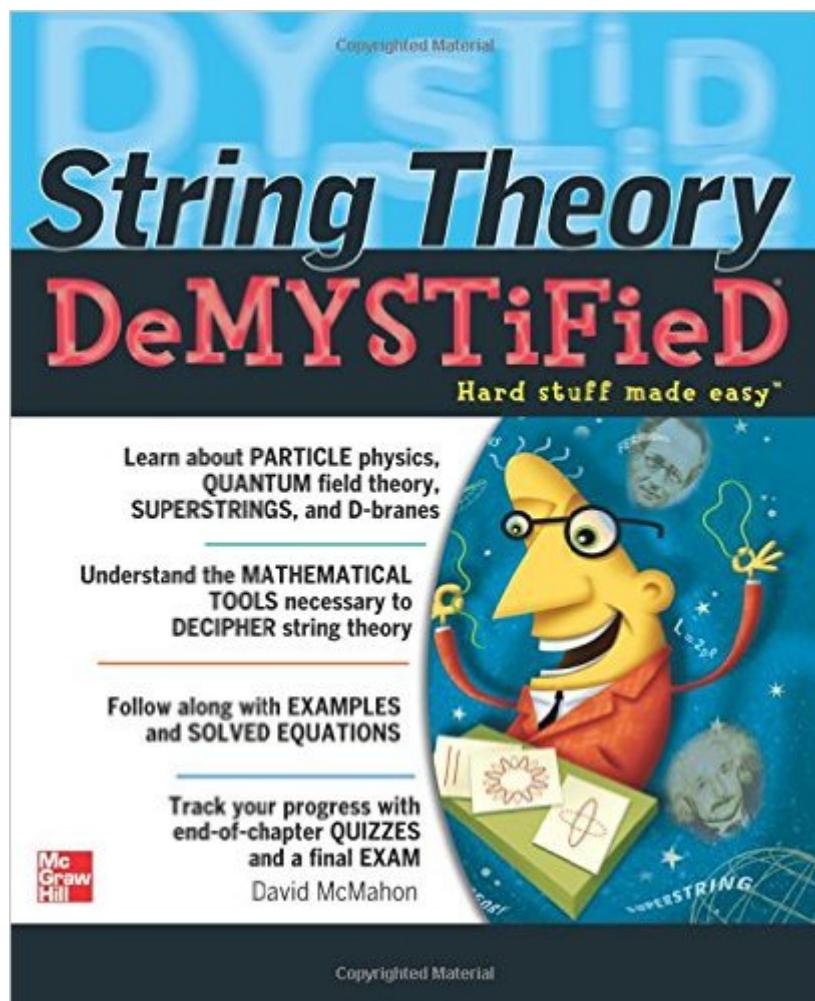


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# String Theory Demystified



## Synopsis

UNRAVEL the mystery of STRING THEORY Trying to understand string theory but ending up with your brain in knots? Here's your lifeline! This straightforward guide explains the fundamental principles behind this cutting-edge concept. String Theory Demystified elucidates the goal of the theory--to combine general relativity and quantum theory into a single, unified framework. You'll learn about classical strings, conformal field theory, quantization, compactification, and T duality. The book covers supersymmetry and superstrings, D-branes, the holographic principle, and cosmology. Hundreds of examples and illustrations make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce learning. This fast and easy guide offers:

Numerous figures to illustrate key concepts Sample problems with worked solutions Coverage of equations of motion, the energy-momentum tensor, and conserved currents A discussion of the Randall-Sundrum model A time-saving approach to performing better on an exam or at work Simple enough for a beginner, but challenging enough for an advanced student, String Theory Demystified is your key to comprehending this theory of everything.

## Book Information

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## Customer Reviews

I actually love the book, its format, and its focus. Imagine that your task is to take Polchinski's textbook on String Theory and compress both volumes to 320 light pages or so. You have to include some basics of GR, QFT, abstract classical mechanics but also the CFTs, bosonic strings, light cone gauge, T-duality, symmetries, RNS superstring, heterotic strings, D-branes, AdS/CFT, black

holes. But you also add some material that was not yet fully covered in Polchinski's book such as tachyon condensation on D-branes and the speculative field of string cosmology, among others. I think that if you realize your task well, you will end up with a book very similar to McMahon's book. As a kid or undergrad, I would actually love the playful format of the book, the icons and big headlines. In fact, I like it even now. It's the format that succeeds to attract the reader's attention and give him or her the (semi-realistic) feeling that the knowledge needed to fully master string theory is of encyclopedic character and "learnable" in a finite time. Although the brevity of many explanations will clearly make it insufficient for all readers to understand the true origin of all results and steps, this is a book focusing on real, solid scientific arguments. This is a simplified but technical, not popular, book that won't overwhelm you with postmodern philosophical babbling, trying to convince you that it can replace the calculations and lead you instantly to "big" conclusions without any hard work. It is a book that shows the actual correct calculations and derivations, albeit in a simplified form.

Dear David, 23 October 2015 Your recent message actually obliged me to do some serious thinking about whether or not I was truly satisfied in having ordered and received a copy of String Theory Demystified. Dear sir, I must admit that you opened quite a few avenues for conjecture not to mention a few potential cans of worms, at least given the tenor of customer reviews currently posted by and surely those that have been posted in the recent past. Sad to say, there are apparently those among us who have nothing better to do than to whine, weep, and wail for seemingly no good reason, and these outbursts are worse than merely wanting "egg in their beer", as the saying on the street goes, i.e., there is no pleasing these noisome nitpickers under any rational circumstances whatsoever! I guess it should not come as any great surprise to me that some reviewers even incorporate the most obscene of unnecessary expletives and other imprecations purely on the pretext of not being perfectly satisfied with their purchases, such dissatisfaction many a time quite simply predicated upon their own misunderstanding of just what it was they thought they were buying! I am writing all this merely to try to convince you that you ought not be so tough on yourself, particularly if a bad review may not at all be your fault. I can tell you from years of personal experience that it is not easy to imagine the outright ignorance and utter childish petulance of some reviewers who have vehemently written reviews back to merely to vent their spleens, and this for no apparently rationally viable reason.

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