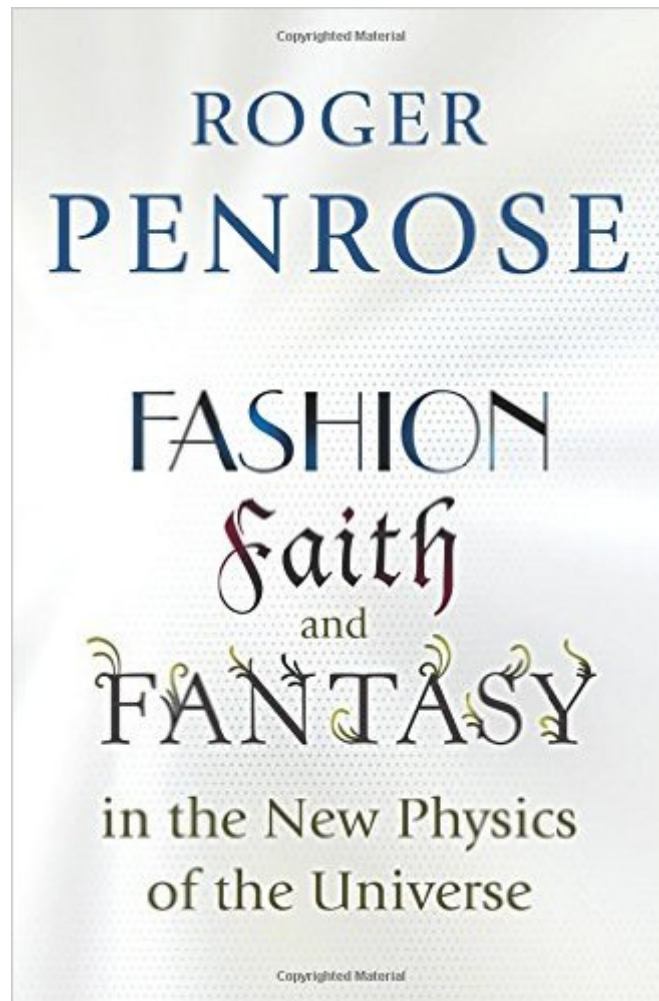


The book was found

# Fashion, Faith, And Fantasy In The New Physics Of The Universe



## Synopsis

What can fashionable ideas, blind faith, or pure fantasy possibly have to do with the scientific quest to understand the universe? Surely, theoretical physicists are immune to mere trends, dogmatic beliefs, or flights of fancy? In fact, acclaimed physicist and bestselling author Roger Penrose argues that researchers working at the extreme frontiers of physics are just as susceptible to these forces as anyone else. In this provocative book, he argues that fashion, faith, and fantasy, while sometimes productive and even essential in physics, may be leading today's researchers astray in three of the field's most important areas--string theory, quantum mechanics, and cosmology. Arguing that string theory has veered away from physical reality by positing six extra hidden dimensions, Penrose cautions that the fashionable nature of a theory can cloud our judgment of its plausibility. In the case of quantum mechanics, its stunning success in explaining the atomic universe has led to an uncritical faith that it must also apply to reasonably massive objects, and Penrose responds by suggesting possible changes in quantum theory. Turning to cosmology, he argues that most of the current fantastical ideas about the origins of the universe cannot be true, but that an even wilder reality may lie behind them. Finally, Penrose describes how fashion, faith, and fantasy have ironically also shaped his own work, from twistor theory, a possible alternative to string theory that is beginning to acquire a fashionable status, to "conformal cyclic cosmology," an idea so fantastic that it could be called "conformal crazy cosmology." The result is an important critique of some of the most significant developments in physics today from one of its most eminent figures.

## Book Information

Hardcover: 520 pages

Publisher: Princeton University Press (September 13, 2016)

Language: English

ISBN-10: 0691119791

ISBN-13: 978-0691119793

Product Dimensions: 6.1 x 1.5 x 9.3 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,926 in Books (See Top 100 in Books) #1 in Books > Science & Math > Earth Sciences > Geography > Regional #1 in Books > Science & Math > Physics > Quantum Theory #17 in Books > Science & Math > Mathematics

[Download to continue reading...](#)

Fashion, Faith, and Fantasy in the New Physics of the Universe Back to the 80s: 1980s Fads and Fashion Coloring Book: Adult Coloring Books Fashion, 80s Coloring Book, 1980s Coloring Book, Fashion Coloring Book ... Fashion Coloring Book for Adults) (Volume 1) Physics for Scientists and Engineers with Modern Physics: Volume II (3rd Edition) (Physics for Scientists & Engineers) Head First Physics: A learner's companion to mechanics and practical physics (AP Physics B - Advanced Placement) The Feynman Lectures on Physics, Vol. II: The New Millennium Edition: Mainly Electromagnetism and Matter (Feynman Lectures on Physics (Paperback)) (Volume 2) Fantasy Girls: Femme Fatales, Steampunk, Goth and Fantasy Girls The Phoenix of Destiny: An Epic Kingdom of Fantasy Adventure (Geronimo Stilton and the Kingdom of Fantasy: Special Edition) Fantasy Life: The Outrageous, Uplifting, and Heartbreaking World of Fantasy Sports from the Guy Who's Lived It Fantasy Fairy Tales: 20 Unique, Creative Patterns to Dive into the World of Cartoon, Tales and Fantasy (Stress-Relief & Relaxation) What in the Universe? (Steven Universe) Mammals Who Morph: The Universe Tells Our Evolution Story: Book 3 (The Universe Series) From Lava to Life: The Universe Tells Our Earth Story: Book 2 (The Universe Series) First Meetings: In Ender's Universe (Other Tales from the Ender Universe) Mythical Mermaids - Fantasy Adult Coloring Book (Fantasy Coloring by Selina) (Volume 8) Learn German: By Reading Fantasy 2 (Lernen Sie Deutsch mit Fantasy Romanen) [German Edition] Gothic - Dark Fantasy Coloring Book (Fantasy Art Coloring by Selina) (Volume 6) Magical Minis: Pocket Sized Fairy Fantasy Art Coloring Book (Fantasy Art Coloring by Selina) (Volume 5) The Secret of the Ballet Book: (Kids Fantasy Books, Ballerina Fiction) (Kids Mystery, Girls Books Ages 9-12, Ballet Stories, Dance Books, Kids Books, Kids Fantasy Books Ages 9-12) The Usborne Big Book of Fantasy Quests: Combined Volume (Fantasy Adventures) Final Fantasy Type-0 Side Story, Vol. 5: The Ice Reaper (Final Fantasy 0-Type)

[Dmca](#)