

★★★★★ Complex Topics Explained With Ease-Perfect for College

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This review is from: True Physics of Light Beyond Relativity: Quantum Gravity and the Cosmic Multiverse (Hardcover)

Shailesh R. Kadakia's True Physics of Light, Beyond Relativity (second edition) delves into a fascinating, insightful discussion involving the fundamental gaps in Einstein's theory of relativity, particularly the lack of information on the motion of light and the primary features that distinguish the wave nature of light from that of the particle theory. Introducing intriguing and well-refined concepts such as absolute time and the true speed of light, Kadakia's text supplies the reader with powerful information about the workings of the universe in a nicely-packed, easy to understand book that is "most suitable for novice and expert readers who wish to advance the knowledge of light wave physics to the next level."

Essentially, Kadakia strives to enhance the individual's understanding of cosmology by way of the theory of special and general relativity. Ideally, True Physics of Light is textbook material, catering to second-year university students and experienced physics professors as well as physicists. Kadakia does an outstanding job of simplifying and providing a step-by-step explanation, with tables and illustrations, of complex topics such as Planck's quantum waves.

More importantly, this book is full of surprising, even shocking revelations that will prompt the reader to look differently and further analyze long-held perceptions of topics including, but not limited to, light being a wave--rather than a particle--the role of quarks in the origin of matter, complex dimensions, weather predictions, lifespan of solar systems, and the mystery behind the black hole.

While the first few chapters of the book discuss the behavior of light, the validity of Albert Einstein's mass to energy transformation theory ($E=MC^2$), the limitations of Einstein's general theory of relativity and special theory of relativity, and Lorentz's transformations, the crux of the book revolves around the theory of Skylativity®, Shailesh R. Kadakia's unique invention that is instrumental in assessing astronomy and future space projects, in addition to evaluating Maxwell and Einstein's field equations.

In layman terms, Skylativity®, or Shailesh's theory of special relativity, provides a "simplistic view for several phenomena of complex nature such as the bending of light as it passes nearby a star and the time dilation effect observed by atomic clocks situated at different altitudes in flying aircrafts."

Clearly, the concepts of Skylativity® and True Physics of Light, Beyond Relativity (2nd edition) are revolutionary in the physics world, extending our knowledge of light and relativity, and supplying readers with a unique way of examining the way the universe works.

Kadokia's True Physics of Light never feels extensive, but rather sufficient with a keen sense of clarity. Providing formulae, conversions, and a substantial glossary, True Physics of Light is easy on the eyes and is undoubtedly textbook material. Anyone interested in the world of physics--and not stressing over complex concepts--is advised to get a hold of True Physics of Light ASAP--it's a must read!

