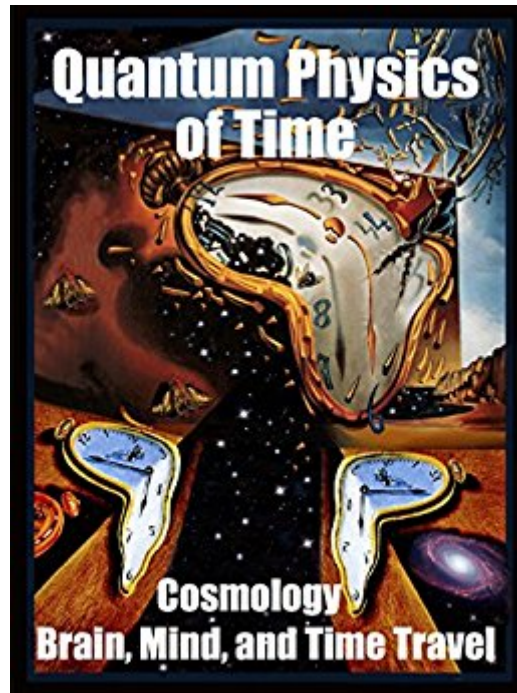


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# Quantum Physics Of Time:: Cosmology, Brain, Mind, And Time Travel



## Synopsis

Contents: I. Time, Reality, Temporal Non-Locality, Vedanta, Upanishads and Quantum Mechanics 1. The Nature of Reality, the Self, Time, Space and Experience 2. Perceived Reality, Quantum Mechanics, and Consciousness II: Brain, Mind, Cosmology, Causality, and Time 3. Space, Time and Consciousness 4. Many Mansions: Special Relativity, Higher-Dimensional Space, Neuroscience, Consciousness and Time 5. Brain, Consciousness, and Causality 6. Time, Altered States of Consciousness, and Neuroscience 7. Consciousness of Continuity 8. The Observer's Time: Now, Past and Future in Physics from a Psycho-Biological Perspective 9. Mental Time Travel: How The Mind Escapes From The Present 10. How the Mind Escapes from the Present 11. Mental Time Travel And The Self-Concept 12. Continuity In Hippocampal Function As A Constraint On The Convergent Evolution Of Episodic-Like Cognition 13. The Theory of Mind Time III. Quantum Physics, Relativity, Retrocausation, Precognition, Multiple Dimensions, Entanglement, and Conscious Time 14. The Time Machine of Consciousness. Past Present Future Exist Simultaneously. Entanglement, Quantum Time, Dream Time, Precognition, Retrocausation, Deja Vu, and Premonitions 15. Synchronicity, Entanglement, Quantum Information and the Psyche IV. Uncertainty Principle, Multiple Worlds, Wave Functions, Entanglement, Violations of Causality, and Paradoxes of Time Travel 16. Classical Anthropic Everett Model: Indeterminacy in a Preordained Multiverse 17. Quantum Paradoxes of Time Travel: The Uncertainty Principle, Wave Function, Probability, Entanglement, and Multiple Worlds V. Time Travel Through Black Holes and Worm Holes 18. Time Travel Through Black Holes and Worm Holes in the Fabric of Space-Time

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## Customer Reviews

The first two chapters of the book deal with the similarities between the cosmology and philosophy of Hindu religion and Quantum Mechanics as it relates to the observer/consciousness. These first two chapters suggest that consciousness is fundamental and inherently non-local in nature as is Quantum Mechanics. The third chapter looks at how biological organisms and their brains may involve quantum mechanical and chaotic dynamics and how these processes may assist with the survival of the organism. Particularly, King suggests that weak quantum measurements and quantum entanglement may be utilised by organisms in order for them to exercise free will and navigate future events. In the fourth chapter, J.R. Smythies puts forward his "materialist dualist" thesis that conscious experience exists in a phenomenal space-time that intersects with physical space-time. Chapter five looks at the notion put forward by materialist views of mind that consciousness is just an epiphenomenon of the brain. The writer contends that observer effects in quantum theory along with our conceptual understanding of some neuropsychological disorders entail that scientists must take conscious or mental properties as casually real effects in the world. Chapter six takes a look at the philosopher Kant's view of time as fundamental to how the mind has knowledge of the world. This chapter goes on to look at how hallucinatory states as seen in psychiatric and neural disorder can cause distortions in our temporal experiences and our sense of reality. This chapter asks if hallucinatory experiences can give us other realities that are commensurable with our own? Chapter seven is a brief chapter that posits that consciousness occurs in the brain in discrete moments - approximately 4 times per second.

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