

Introduction To Astrophysics By Baidyanath Basu

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The Buddha answers all questions that a scientist like Stephen Hawking has in his mind. • Two beginning-less, self-existent entities are- the Universe and the Buddha Field. At high energy level both covert in to each other. The Buddha Field gives birth to physical and psychic particles (souls). At high energy level, a soul converts in to the Buddha Field. • Mass is of two kinds. Positive mass is due to souls. A soul is cause of dark matter. • Gravitational force is repulsive in nature between two souls, attractive between matters. • Outer region of the Universe is dark because here beings are without material bodies. Here TIME does exist BUT without SPACE. Psychic matter is the cause of Expanding Universe. • God's atom does exist. All heavenly bodies including black holes are abodes of beings. • Stars are born due to gravitational instability in the Orion Nebula caused by God. Number of God is uncountable in the Universe. • Very soon, the world will see all religions (barring Buddhism), Marxism and all other Wrong Views, dying of natural death. • I have dedicated this book to Stephen Hawking, one of the brilliant theoretical physicists since Einstein.

The general theory of relativity and its applications to cosmology requires very deep understanding of mathematics and physics. Keeping this in mind, this self-contained textbook is written which addresses to general relativity and cosmology. In this book, the attempts have been made to explain mathematicians' notions in the language of a physicist. Primarily intended for the postgraduate students of mathematics and physics, it gives equal importance to mathematical and physical aspects, and thus sharpens understanding of the theory. The text covers many modern concepts and current developments in gravity and cosmology including Brans-Dicke theory, higher-derivative gravity, Kaluza-Klein theory with extension to higher-dimensions. Besides PG students this book would also be useful for research scholars. KEY FEATURES ? Highlights special features of general relativity and cosmology. ? Discusses structure formation in the universe, inflationary models and dark energy models with special focus on basic concepts. ? Provides problems at the end of each chapter to stimulate thinking. ? Reveals interconnections between required mathematical concepts. ? Explains "how to apply mathematical concepts to physical problems". ? Discusses lagrangian formulation of the field theory and action principle as it provides a powerful tool to derive field equations and energy-momentum tensor components.

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Traditional Chinese edition of The Accidental Universe:The World You Thought You Knew by physicist Alan Lightman. Lightman is a remarkable interpreter of hard science, an elegant prose writer and the author of Einstein's Dreams.

??Holt,Rinchart and Winston 1983?????????. -- ??: Modern digital and analog communication systems/B. P. Lathi

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This invaluable book, now in its second edition, covers a wide range of topics appropriate for both undergraduate and postgraduate courses in astrophysics. The book conveys a deep and coherent understanding of the stellar phenomena, and basic astrophysics of stars, galaxies, clusters of galaxies and other heavenly bodies of interest. Since the first appearance of the book in 1997, significant progress has been made in different branches of Astronomy and Astrophysics. The second edition takes into account the developments of the subject which have taken place in the last decade. It discusses the latest introduction of L and T dwarfs in the Hertzsprung-Russel diagram (or H-R diagram). Other developments discussed pertain to standard solar model, solar neutrino puzzle, cosmic microwave background radiation, Drake equation, dwarf galaxies, ultra compact dwarf galaxies, compact groups and cluster of galaxies. Problems at the end of each chapter motivate the students to go deeper into the topics. Suggested readings at the end of each chapter have been complemented.

If Velikovsky's celestial hypothesis is correct, it must not only correlate with historical evidence, but must also correlate with and be corroborated by scientific evidence. His thesis requires that there should exist unambiguous scientific evidence that celestial mechanics, accepted by all scientists as being perfect as possible, is in error. If that can be proved to be the case, that cosmological theory for the stability of the solar system and the evolution of the universe ? birth and evolution of galaxies, as well as stars ? must also be in error. The need for such a book that gathers the evidence for celestial mechanics, the cosmology of the universe and especially the evolution of the solar system in recent times that Immanuel Velikovsky presented, is long overdue.

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