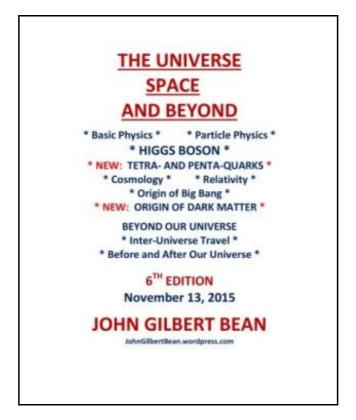
The Universe, Space, and Beyond



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Reviews

This pdf is indeed gripping and interesting. It is definitely simplistic but shocks within the 50 percent of your book. Once you begin to read the book, it is extremely difficult to leave it before concluding. (Michael Spinka)

THE UNIVERSE, SPACE, AND BEYOND



Createspace Independent Publishing Platform, United States, 2013. Paperback. Book Condition: New. 214 x 149 mm. Language: English . Brand New Book ***** Print on Demand *****.NOVEMBER 13, 2015. *This book is about Space and time before, during, and after our Universe and its elementary particles, atoms, galaxies, stars, planets, moons, and other objects therein. It is written expressly for the science student as well as the general reader. It covers basic physics, particle physics including the Higgs boson, cosmology, and relativity. The term SpaceTime is used to show the close correlation of space and time and that time is essentially a fourth dimension. The topics are explained with emphasis on qualitative and physical descriptions so as to be easily understood by all levels of readers. The early sections are especially designed for those who do not have a background in the subjects. Qualitative descriptions are in many instances more detailed than elsewhere. Mathematical information is included as an aid to understanding and a bridge for further study but can easily be skipped without concern. The detailed descriptive material will facilitate the transition for those who wish to progress to more detailed mathematics. The latest advances in particle physics culminated in the experimental detection of the Higgs Boson at the high-energy collider at CERN, Switzerland in 2012. The coming breakthroughs in particle physics, string theory, and cosmology may be even more significant. This book contains 22 sections including: * Timelines of Earth, Our Universe, History, and Science *Basic Physics: Force, Mass, Work, Energy, Power, and Momentum * Light Radiation and Spectrum, Wave Motion, and, Mechanics * Elementary Particles -- Fermions (Leptons and Quarks) and Bosons * Composite Particles -- Hadrons (Mesons and Baryons) -- Tetra-Quarks and Penta-Quarks * Particle Interactions * Conservation Principles * Higgs Fields and Bosons * Origin of...

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