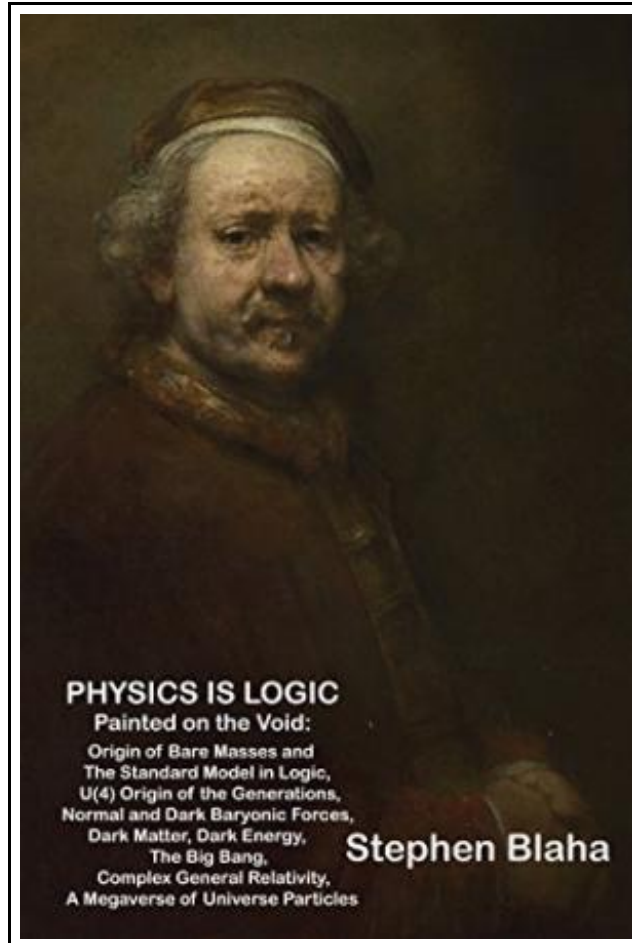


# Physics Is Logic Painted on the Void: Origin of Bare Masses and the Standard Model in Logic, U(4) Origin of the Generations, Normal and Dark Baryonic Forces, Dark Matter, Dark Energy, the Big



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## ***Reviews***

*This is actually the finest publication i actually have study right up until now. We have study and so i am confident that i am going to planning to go through again again in the foreseeable future. I am just effortlessly will get a delight of studying a published book.*


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Blaha Research, United States, 2015. Hardback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.The author s description of this technical book. Scientists and philosophers have wondered for hundreds of years about the ability of Science, and Physics in particular, to accurately be described by Mathematics. This book answers that question. The fundamental Physics theory of the universe - Elementary Particle Physics and Quantum Gravity, from which all Science is ultimately derived, is based on Logic - Asynchronous Logic in particular. Since Mathematics ultimately is based on Logic as well, we see a common source for Science and Mathematics. Their symbiotic relation is due to their common progenitor and they cannot disagree. Our derivation begins by defining 4-valued logic pre-particles called iotas that we clothe in complex space-time coordinates making bare fermions. We then show how the four fermion species result. From that point the book presents a detailed derivation/construction of The Extended Standard Model of the author which contains within it the known The Standard Model. It is a derivation that has a similarity of sorts with the geometry of Euclid: both introduce fundamental axioms and then proceed to develop constructs from which a complete theory of the four known interactions: Electromagnetic, Weak, Strong and gravitational emerge in a natural way from the geometry of complex space-time when it is mapped to real space-time coordinates by a group we call the Reality group. The geometry of space-time leads directly to the classification of fermions and Dark fermions each into four species: charged leptons, neutral leptons, up-type quarks and down-type quarks. It also provides a detailed description of Dark Matter: from its fundamental nature to its chemistry; and Dark Energy. It shows how to make perturbation theory calculations automatically finite (no...

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