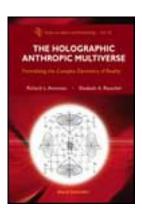
The Holographic Anthropic Multiverse



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Every hundred years or so, a unique groundbreaking Copernican class volume arises unexpectedly. From ashes long thought cold of Einstein's static universe model, for the first time technically viable alternative interpretations to all pillars of Big Bang cosmology are presented in the context of a profound new continuous-state cosmological paradigm able to elucidate many contemporary problems plaguing the standard model of particle physics. The cosmology provides an alternative derivation of the string/brane tension formalism derived from large-scale additional dimensions that leads to a putative unique background-independent string vacuum without requiring the Higgs mechanism or SUSY superpartners. Breakthroughs presented, arising from the broad spectrum of explanatory power, include an empirical protocol for violation of the quantum uncertainty principle that provides a viable model for the implementation of universal bulk quantum computing. Other developments naturally arising from utility of the new regime include a design for constructing de Broglie-type matter-wave projectile defense shields with far-reaching consequences.

Demise of the Big Bang -- A Philosophical Conundrum Extending the Standard Model: Towards the Ultimate Evolution of String Theory Fundamental Parameters for a Continuous-State Holographic Anthropic Multiverse An Alternative Derivation of String

Tension Determining a Unique Background Independent String Vacuum Formalizing the Ultimate Geometry of Reality: Dimensionality, Awareness and Arrow of Time Integration of Gravity & Electromagnetism in Terms of a Dirac Polarized Vacuum Redshift/CMBR as Intrinsic Blackbody Cavity-QED Absorption/Emission Equilibrium Dynamics Implications of Multidimensional Geometries and Measurement Probability 1: An Empirical Protocol for Surmounting Quantum Uncertainty On the Possibility of Relativistic Shock-Wave Effects in Observations of Quasar Luminosity The Bulk Implementation of Universal Scalable Quantum Computing Practical Matter-Wave Antiballistic Defense Shield Technologies Is a Different Search Protocol Required for Success in SETI Research?

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