

# Compendium for the Implementation of Unified Field Mechanics

## FIRST PRÉCIS

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**Abstract.** We claim unique insight into the required fundamentals for implementing ‘Unified Field Mechanics’ (UFM). Firstly, the Universe is not quantum, which ‘100 Years War’ was merely the last stopping place in the progression: Classical Mechanics – Quantum Mechanics - to the 3<sup>rd</sup> regime of UFM. Secondly, spacetime is emergent and not fundamental. The spacetime continuum has a finite radius beyond which exists an anthropic multiverse of large-scale additional dimensionality (LSXD). The LSXD appear ‘invisible’ not because they are curled up microscopically at the Planck scale, but because of a form of ‘subtractive interferometry’ related to the nature of the virtual reality of the ‘Observer’ limits observation to 3D. We extend the 4D de Broglie-Bohm-Vigier Causal Interpretation and Cramer Transactional Interpretation to LSXD. String/M-Theory has traditionally been a model for exploring quantum gravity and is lost in a goolgeplex of possible string vacuums. In finding an alternative derivation of string tension,  $T_S$  we found one unique ‘Background Independent’ string vacuum with a ‘continuous-state compactification process. Our model is different – The regime of integration is the domain of the Unified Field, << which is not quantized >>. Our version of M-Theory is based on the original hadronic form of string theory which has an essential variable String Tension,  $T_S$  and acceptance of a tachyon which becomes important in the LSXD extension of Cramer’s Transactional Interpretation to Calabi-Yau dual mirror symmetry where virtual tachyon-tardon interactions are a component of the future-past elements of a transaction. M-Theory has recently settled on 11D; our model adds a 12<sup>th</sup> dimension for mediating Unified Field dynamics. 12D appears to be the minimum dimensionality to provide causal separation from the 4D Minkowski virtual present. This causal separation of the unified field from the manifold of the uncertainty principle leads to pragmatic access to the regime of the unified field. There are currently 14 empirical protocols to falsify this noetic model which will be outlined.

**Keywords:** Unified field mechanics, M-Theory, Hadronic string theory, String tension, Tachyon

### EXTENDED OUTLINE – Summary of Salient Principles/Premises

#### 1.0 The Continuous-State

\* STAY TUNED FOR PERIODIC UPDATES \*