

**M-THEORY QUANTUM “PHASE COMBINING”
AND ITS CONTRIBUTIONS TO THE
“CONSTANCY OF THE SPEED OF LIGHT”
AND
“GRAVITY GENERATION”**

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ABSTRACT

This abstract will apply traditional RF phase combining methods onto M-theory string pair interactions to postulate mainly two things:

- The speed of light constancy and its relation to the “spatial” and “temporal” dimensions.
- Gravity generation as a component/by-product of the phase combining process.

It will describe specific co-relations between Electro-Magnetic Field (EMF) Radio Frequency (RF) phase combining methods currently in use and the similarities resulting from outcomes when strings/loops/bands oscillate through M-theory’s six dimensional Calabi-Yau manifolds.

In retrospect, this abstract draws general co-relations between all viable “Theories of Everything” (ToE) since, amongst other things they all attempt to explain the “constancy” of the speed of light and gravity generation.

KEYWORDS: Quantum phase combining, M-theory virtual string pair interactions, spatial, temporal, gravity generation, strings, loops, bands, six dimensional Calabi-Yau manifolds, superluminal, luminal, sub-luminal, EMF, RF.

INTRODUCTION

The cosmos exist in three spatial and one temporal dimension. More dimensions (Calabi-Yau six dimensional manifolds for example) are postulated but have not been validated experimentally. The three “spatial” dimensions expand exponentially with the universe. The “temporal” descriptor (time) remains static/constant regardless of the expansion.

We know light travels in one of the three spatial dimensions (forward/backward). We also know that if we travel at a certain speed we can catch up to and effectively stop the passage of time (but never bypass it). Since light travels at 300,000,000m/s then time must also be traveling at the same speed. In retrospect, time and distance have no value. They merely describe velocities from “temporal” and “spatial” perspectives in a comprehensible/understandable format.

FOREWARD

With the introduction in mind, this abstract concludes/postulates that the speed of “time” (and light), is an incorruptible constant, violations to the constancy triggers severe consequences.

A photon’s state (for example) is sustained as long as it maintains the set “temporal” velocity tolerated within the “spatial” dimension it traverses. If it accelerates (superluminal), the photon enters a non-compliance (altered) state where it violates/defies existing physical laws and is henceforth rendered non-compliant. Such a photon (or any superluminal particle) is then quickly evicted (if not destroyed) to alternate branes/universes (energy exchange – pop in and out of existence). In short, superluminal states produce unacceptable energy imbalance. To maintain equilibrium, the universe evolved/devised severe methods to decrease or limit “spatial” and “temporal” dimensional violations.

The universe functions through various processes that are designed to increase “entropy”, the proof of that is in particle behaviors since they constantly seek to increase entropy. In return, entropic behavior reciprocates by increasing random, disruptive actions amongst particles. Disruptive actions, introduce unintended, unorganized, chaotic reactions. Chaotic reactions filter out “unmatched” particle interaction/combinations.

When particles interact, their state is disrupted. The disruptions by default, introduce changes to the particles’ behaviors. The changes repeat, randomly, until the particle states are matched. This form of entropic, evolutionary “self organizing” produces unintended “symmetry” (change matchup). The symmetry produced via the process is henceforth the direct result of a limitless repetitive, chaotic, “evolutionary” process of particle interactions.

CONTINUED

- M-theory postulates that vibrating sub-microscopic strings reflect as specific particles, depending on their oscillation frequencies.
- M-theory incorporates “Riemann surfaces” to describe how sub-microscopic, space-time undulations are smoothed out. (Riemann surfaces are created as the strings vibrate and sweep across the fabric of space and through Calabi-Yau manifolds).
- M-theory postulates further that gravity’s weakness is due to string “bands” only attaching themselves to the fabric of space-time while string “loops” and “blobs” float away.

With that in mind this abstract postulates further that:

- Primordial strings are never alone; they seek to constantly interact and combine to reflect particles that eventually congeal to form clumpy matter/mass. In addition to their mass, their energy and frequencies also interact and combine.
- Reflected, solitary, elementary particles (photons, protons, electrons) are able to travel at the “higher” end of the speed of light primarily, because they oscillate at “SINGLE” frequencies. This changes when particles combine such as protons and electrons to form (higher order particles) Hydrogen.

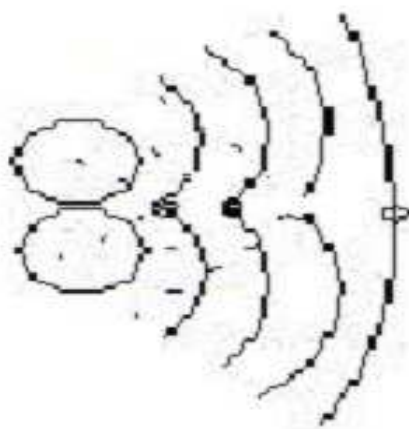


Figure 1

An illustration of two strings reflecting as particles while phase-combining to form a higher order particle.

Citing available frequency and power mixing techniques we know that when different frequency sources combine, in addition to a sum-total (in-phase) component, an (out-of-phase) element, a “sum-difference” is also generated. In manmade combining, a phase shifting, line stretching component is inserted to optimize the “sum total” and minimize the “sum-difference” output.

At the string level, Calabi-Yau manifolds serve that function. They provide “isolation” and sufficient “line stretching” within the curled up dimension chambers to optimize the in-and-out-of-phase sums as the strings sweep through and combine. The resulting sum-total propagates onwards to combine further. The sum-difference is evacuated out of the manifolds as excess, raw flux energy. The “excess” energy compiles in front of the sweeping strings where it forms curvature/warps in the fabric of space-time, henceforth; Gravity. The weakness of the gravitational force is attributed to the minimal amount of sum-difference resulting from the combining process.

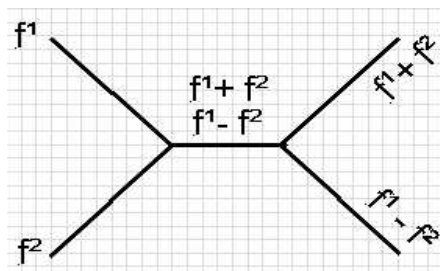


Figure 2 - Basic RF frequency mixing
 f_1+f_2 = in phase portion – “Sum total”
 f_1-f_2 = out of phase portion – “Sum difference”

Figure two shows two strings/frequencies interacting/combining.

As with all interactions, initially, the two frequencies form a “unitary” state then they separate to form a sum-total and a sum-difference. The sum-total combines harmoniously, the sum-difference (out-of-phase) translates to a “drag” potential across space-time.

CONNECTION

In essence, the phase combining process at the string level is crucial for “mass/matter” formation (energy congealment) because it prevents particle hyper/over acceleration (superluminal), allows full scale interaction and simultaneously warps space-time to generate gravity.

An expanded, higher order dimensional universe (10 dimensions or more) lacking curled up sub-microscopic Calabi-Yau manifolds will yield a drastically different state than the three spatial plus one temporal dimensional universe we know. Such a universe will prevent quantum phase combining therefore also prevents energy transmutating into mass.

The drawing below illustrates strings/loops/blobs as they interact/combine and resonate/vibrate through a curled up microscopic “Calabi-Yau” manifold.

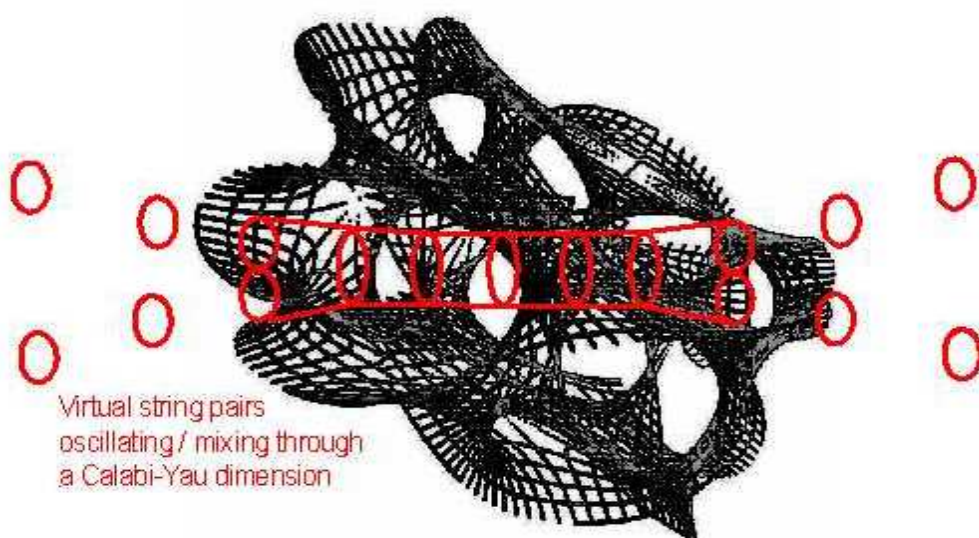


Figure 3 – Virtual string pair combining through a Calabi-Yau manifold.

SUMMARY

In closing, this abstract postulates that gravity does not/cannot exist without the presence of “inertial mass” tied to string vibration/oscillation phase combining patterns. Furthermore, gravity is merely, a left over “Flux” energy density fundamental to string interactions/combination rather than being a specific particle itself (graviton) or a fourth fundamental force.

This is demonstrated by the particle/wave duality experiment which has been observed, recorded and proven with the double slit experiment. What this experiment inadvertently also illustrates is the phase combining process at the quantum level. Frequencies in and out of phase are highlighted and are shown to combine or cancel each other out as they pass through the slits.

The link below illustrates the phase combining wave action. It further shows how the propagating “phased” waves smooth out and the “out-of-phase” waves warp the surface of the medium they travel over/across.

<https://www.youtube.com/watch?v=DfPeprQ7oGc>

POSSIBLE BENEFITS

Based on this abstract, it may be possible to use current RF mixing methods with available technology, to construct computerized, experimental models of the string interaction patterns at higher octaves. Such models could then be virtually manipulated to reflect/predict actual string vibration/oscillation patterns, possible reflected particles, sub-microscopic space undulation behaviors, flux/energy density patterns related to gravity generation.

Such experiments will aid further in understanding quantum behaviors and possibly clarify the “need” of the constancy of the speed of light, why superluminal speeds violate physical laws and potentially help develop mechanisms to generate artificial gravity and technologies for long space exploration missions.

ACKNOWLEDGMENTS

- [1]Youtube
- [2]Feynman diagram
- [3]Calabi-Yau manifolds
- [4]Wikipedia

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