

Superposition as oscillatory dynamism: From path memory to the invisible graviton—the temporally enantiomorphic gravitational vortex

I wish to suggest that superposition is an oscillation (between two states) in excess of light speed expressed as encoded photonic emanations. I will explain: Think of the interaction between two superposed particle/states as constituting an oscillator in vibratory alternation which exceeds light speed in its alternations. Now, this emits a photon which must be a process which occurs at the speed of light by definition, so, the photonic emanation MUST be encoded with both parts of the super-luminal oscillation, both object/states! The object/states are not exactly one, they are both encoded into a unified vortical expression...the photon being a vortex which if encoded with separate radio channels, can distribute the information easily (<http://iopscience.iop.org/1367-2630/14/3/033001/article> ; <http://www.rexresearch.com/tamburini/tamburini.htm> ; [http://www.researchgate.net/publication/253998706\\_Experimental\\_verification\\_of\\_photonAngular\\_momentum\\_and\\_vorticity\\_with\\_radio\\_techniques](http://www.researchgate.net/publication/253998706_Experimental_verification_of_photonAngular_momentum_and_vorticity_with_radio_techniques)), so, if encoded with a coherent superposed oscillation (meaning one in excess of light speed), the photonic emanation would again, act as a vortex and distribute in this case...both object/states simultaneously: Superposition. Now, we can see without difficulty, that there is NO NEED for many worlds! As a light switch flicking back and forth is superposition, and to say it de-coheres, is merely to say that oscillation has ceased...no insane doctrine of another world is required.

So time is bound by light speed (which may be a variable), quantized in photonic units of temporal differentiation limited by "C." That which oscillates in excess of C, is superposed, held in simultaneous vortical mnemonic encoded representation. Universal mnemonic function in one aspect then, is created by the limitation of light speed as it interacts with super-luminal oscillatory dynamism, creating the effect of superposition.

Next—Please recall the idea from the superfluidic interpretation of Bohmian mechanics of "path memory."

<http://www.wired.com/2014/06/the-new-quantum-reality/>

As two objects become entangled, I propose the informational exchange between them creates a super-luminal resonance, as superposition, but here, between objects. (I have previously deduced that: Informational exchange between particles and less organized phenomenon create resonance and constitute a "self-observing" system: [http://media.wix.com/ugd/cf8614\\_fbd00d4563e24ab5a431dd858ef29394.pdf](http://media.wix.com/ugd/cf8614_fbd00d4563e24ab5a431dd858ef29394.pdf)). Now what is vibratory resonance and oscillation but a path impression made over and over in a small dimension, creating very quickly, a deep path memory trace in superfluidic space, and now, that memory will unite the two objects: Entanglement. The stronger and deeper the path memory in the tiny dimension ... the greater the entangled effect.

Gravity and electromagnetism both function over infinite distance and follow the inverse square law...there must be a connection.

Using the theory we can say something of the resultant encoded photons. They are superposed and/or entangled...and at first glance it appears a superposed photon or an entangled photon is a photon with **double the normal information bound into its encoding** ...it is as two photons together. A superposed/entangled photon at first **appears as two photons together**. Now add the result. Two spin one photons together (as physicist George Rajna and others have noted) may form a spin two graviton! <http://www.mindmagazine.net/~!theoretical-physics-with-george-rajna/c18y1> A *spin two* no-mass particle! So perhaps a graviton is simply a superposed/entangled photon, and that, is now defined as a photon emitted from an entangled/superposed oscillatory source, since that infers greater than C oscillation. The implication: *gravity itself may extend directly from entanglement!!!*

However, it is likely, that the graviton would be a *special case* of the principle which may serve in most cases to encode into a biophoton let's say, the myriad of coordinated information expressed into a cell to create its coherent dynamism. The graviton appears to be a case of: *potential* matter/antimatter informationally encoded. Meaning— The double photon created: As encoded informational potential fusing into the graviton an electron and a positron (close to George Ranja's notion which states simply that photons are to be thought of as virtual electron positron pairs). A special case of the mechanism. I will explain:

Please recall the familiar notions of pair production and annihilation: often when two photons of the correct energy interact an electron positron pair is created, and it reverses, so when an electron positron pair interact, photons are emitted.

[http://en.wikipedia.org/wiki/Matter\\_creation](http://en.wikipedia.org/wiki/Matter_creation)

[http://en.wikipedia.org/wiki/Electron%E2%80%93positron\\_annihilation](http://en.wikipedia.org/wiki/Electron%E2%80%93positron_annihilation)

That makes sense of the idea of POTENTIAL encoded into a fused photon: the information of an electron positron pair. The forms seem to exchange easily.

The theory then predicts that coherent photons will be created through (superposed/entangled) oscillation in excess of C. Here is some experimental evidence:

p. 69 of the Orch OR: "Coherent photons will be detected from microtubules. A positive piece of evidence in this direction is the detection of gigahertz excitations in MTs by Bandyopadhyay's group, which may be interpreted as coherent photons."

There is historical lineage for the general idea introduced as *fused photons*. de Broglie and others play a part. (You must press the "look inside" button):

[http://link.springer.com/chapter/10.1007/978-94-010-1440-3\\_15#page-2](http://link.springer.com/chapter/10.1007/978-94-010-1440-3_15#page-2)

Now, we are in a position to draw a few conclusions and implications which may well

explain why gravitational waves have never been detected:

1. Question: If there is as I propose, a particle which is created by structuring two photons into a graviton, and, that such a particle has encoded into it the information of an electron positron pair [matter and antimatter in temporally bi-directional encoding] what is the implication, and from what field is this particle derived?

2. Answer: The particle must be neutral of charge to conserve charge, the particle as it is a photon must be a vortex (see work referenced previously about photonic vortices distributing radio channels) and ...it MUST as it has encoded into its structure both matter (time moving forward) and antimatter (time moving backward) come from a field with the time parameters: (t1, t2). Bivalent informational temporal structure is implied by definition...an electron positron pair encoded into the double photon.

3. The implication is now clear: this "graviton" is a vortex distributing (gravitational) information...and it is an excitation of a temporally bivalent field, perhaps Paolo Manzelli's spacially 2D nonlocal field (X, Y, t1, t2). [Manzelli/(Norman) quantum space time matrix theory:

[http://media.wix.com/ugd/cf8614\\_c4011c8cc9574c878b92bedb515185d9.pdf](http://media.wix.com/ugd/cf8614_c4011c8cc9574c878b92bedb515185d9.pdf)] It will therefore be "dark," and can not be seen...no gravitational waves will ever be found, because of the structure of the graviton itself!

4. So, the proposed graviton is an "enantiomorphic temporal vortex" to borrow a term from organic chemistry. (A temporally bivalent version of the mirror oppositions of enantiomorphic isomers: t1, t2). This vortex distributes gravitation onto linear reality, (X, Y, Z, t), from (X, Y, t1, t2), and hence, creates the manifestation of temporal linearity if you follow the research on linear time coming of gravity.

<http://www.wired.com/2014/11/time-gravity/> Please note how these ideas complete the theory just linked! That theory is classical, and here, is some needed quantum connectivity.

Four speculative thoughts: a. It seems possible that different gravitons derived from different energies associated with and affecting (perhaps binding?) specific atomic *nuclear* structure may exist as corresponding vortices, ie., The creation of a proton and anti-proton, requires photons with energy of more than 1.88 GeV (hard gamma ray photons). b. Please note how this physical theory demonstrates self-similar relation to psychological transference theory—think of distributed potential from the hidden temporally bivalent (atemporal) unconscious which creates ontological reality: as the distribution of gravitation from hidden temporally bivalent sources [the hidden potential of an electron/positron pair expressed from the "dark" (X, Y, t1, t2), to determine linear reality (X, Y, Z, t). c. A holographic interpretation springs to mind...three spacial dimensions created from two: (X, Y, Z, t)—from—(X, Y, t1, t2). d. Are missing super-symmetric particles predicted by string theory unavailable to observe as they are hidden in the "dark" (X, Y, t1, t2)?

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