

Mnemic connectionist modeling: A holographic universal paradigm

Is there a fractal self-similar relation across aspects of universal and cognitive function? I believe there is. I have a beautiful thought about thought for you. Here, have a memory:

In cognitive neuroscience there is a connectionist model of mnemic operation which suggests that information in mnemic structures is stored, not within the neuronal structures themselves, but as information exchanged between the neurons (Gazzaniga, 2009, p. 336). This is accomplished by way of "distributed representation" meaning that various different aspects of information are encoded into a single pattern which holds in its combinative result of cancelations and additions the entire of the distributed information. Here, we see a highly efficient way to house a great deal of information in but a few pieces of encoding. Hippocampal memory is hypothesized to be encoded analogously, as is suggested by the term "sparse coding." Here we see a model of Hebbian learning, where the the interconnective strength (weight) between units (neurons), reflect the changing patterns of instructions the units send to each other. These "weights" change as learning occurs. Here, variation in interconnective strength between units represents learning. A rose may have one set of units for the visual impression, and another for the olfactory impression, and the two are interactively summed as positives and negatives to produce a result as a series of cancelations and additions.

Please recall the idea of holography: information about a structure is recorded by way of recording the way a light source representing a scene interferes with the original light source. The scene is then encoded as an interference pattern. The original light source then becomes the key which will unlock the encoded information via diffraction. I propose that the *interactivity* between *nonlocal aspects* of universal function within the context of the *current instantiation of systemic conditions*, produces a self-recursive dynamism akin to an *evolving connectionist holography*. We and all things are evolving representations of a self-reflexive systemic dynamism...encoded pieces of affective, mnemic expression interacting with the specificity of an emergent linear world. The vacuum energy density itself is as the original light source, the changing nonlocal superfluidic contours as proposed in the modern superfluidic interpretation of Bohmian mechanics [<http://www.wired.com/2014/06/the-new-quantum-reality/>] are as a dynamic mnemic entangled representation of unconscious affect, and the current linear system state then completes the picture of a recursive symbolic holography.

Please recall my previous assertion suggested in an article available on this site, "What if Roger's right? a. Reality and the quantum basis of affect—b. Entangled intra-connectivity and universal cognition—c. Temporal Mass," that quantum entangled processes may well be the true basis of affect. Please recall the assertion supported in an article available on this site, "The System of Affective Assignment," that symbolism gives quality to all specific experience by way of the distribution of what is perceived as "instantaneously" (unconsciously) summed affective valence from a plethora of associated mnemic impressions—a function of "the system of affective assignment." Symbolism is the sublimation and transference by which all of experience is provided its quality...its affective meaning. The present is therefore, an evolving expression of memory, as each

day and then each night, memory itself, the factor providing experience with much of its affective quality is altered in response to conditions, a process known as memory consolidation (Stickgold, 2001). (Of course all this takes place within the interactive theatre of specific evolutionarily conserved affective circuitry). Memory assigns affect to define experience, and, experience alters memory. Our linear world apparently unfolds as an "instantaneous" function of recursive affective assignment. Please now recall my many articles on the temporal field and temporal mass which connect together the ideas of the unconscious, and quantum nonlocal functioning through their many commonalities such as proximate association and atemporality.

I propose that the universal level of the fractal and the micro alike operate in exactly the same way. [Remember: Logic is but an emergent systemic property of affective processing (Norman, 2013)!] I had previously asserted that reality is the product of cross temporal cancelation, and now I see the matter a bit differently...it is a matter of interference produced between dynamic nonlocal atemporal elements, and the current manifest temporal linear system. (Think on one level of the pilot wave, which mediates nonlocal phenomenon [<http://www.uncletaz.com/library/scimath/pilotwave.html>] interacting in a double slit experiment so as to define the consequent position of a particle [http://en.wikipedia.org/wiki/De_Broglie%E2%80%93Bohm_theory] [<http://blog.theultranet.com/2014/07/the-new-bohmian-mechanics-an-empirical-approach-to-the-quantumpsychical-dynamic-.html>] also available on this site). Note: as temporal/atemporal cross cancelation and compounding precedes particulate systemic expression, atemporal/temporal interactive cross cancelation and compounding (interference) affects linear systemic manifest evolution. These two elements, linear reality as manifest, and the atemporal mnemonic (affective/unconscious) underpinnings, are related and interactive in close approximation to an evolving connectionist model of mnemonic functioning, where reality is defined by a combinative and dynamic interaction between the various distributed elements. Here, nonlocal (affective/mnemonic/unconscious) information about states of entanglement (weights) are adjusted with additional layers of chaotic superfluidic pattering created in present experience...these are represented as nonlocal information encoded as shared degrees of freedom, to take a note from Physicist Lana Duze. As experience unfolds, the new patterning is added to the stored information, and the result of the two interacting—the nonlocal and the linear manifestation—are within the context of the fluctuating energy density of the vacuum, *the complete symbol made manifest*: Reality—affect and linear representation fused and fluid, an interactive recursive dynamic which is evolving—Reality: a highly efficient manifest encoding of a specific state of affective/mnemonic processing itself.

This is an interactive model where the *variable interconnective strength between units*, reflect the changing patterns of instructions the units send to each other. These "weights" change as learning occurs. Here, variation in *interconnective strength between units* represents learning. Clearly this is not only a model of learning and informational encoding applicable to neuronal networks, but is a model of informational exchange between states in the case of particles and massive objects as well: an *evolving mnemonic*

model of variable entanglement relations across the entire of the universal fractal relation, as made *manifest in the evolving temporal symbolic result* formed from the interference between the atemporal nonlocal (mnemic/affective) aspects and the current systemic instantiation as they interact within the energetic context of the fluctuating field. Reality: a highly efficient dynamic manifest encoding of a specific evolving state of quantum affective/mnemic processing itself.

References:

Gazzaniga, M., Ivry, R., & Mangun, G. (2009).

*Cognitive neuroscience:
The biology of the mind.*
London: Norton Press.

Norman, R. (2013).

The ontology of Christopher Langan's
psychical physics: The neuropsychology of the
atemporal recursive processes—
An empirical framework.
*The Black Watch: The Journal of Unconscious
Psychology and Self-Psychoanalysis.*
Retrieved from:
www.thejournalofunconsciouspsychology.com

Stickgold, R., Hobson, J., Fosse, R., Fosse M. (2001).

Sleep, learning, and dreams:
Off-line memory reprocessing.
Science, 294, 1052 – 1057.
doi: 10.1126/science.1063530

This work is the sole property of the author, Rich Norman © 2014.