

Dan Winter has independently generated computer images that closely (and perhaps exactly) model the electron-positron photon phi spirals described in **Observer Physics (OP) chapters 11 and 17**. The author greatly appreciates the work done by Dan Winter (and associates) in carrying on the breakthrough researches of Buckminster Fuller on uncovering universal design structures and bringing the power of advanced 3-D computer graphics to bear on this research and design process.

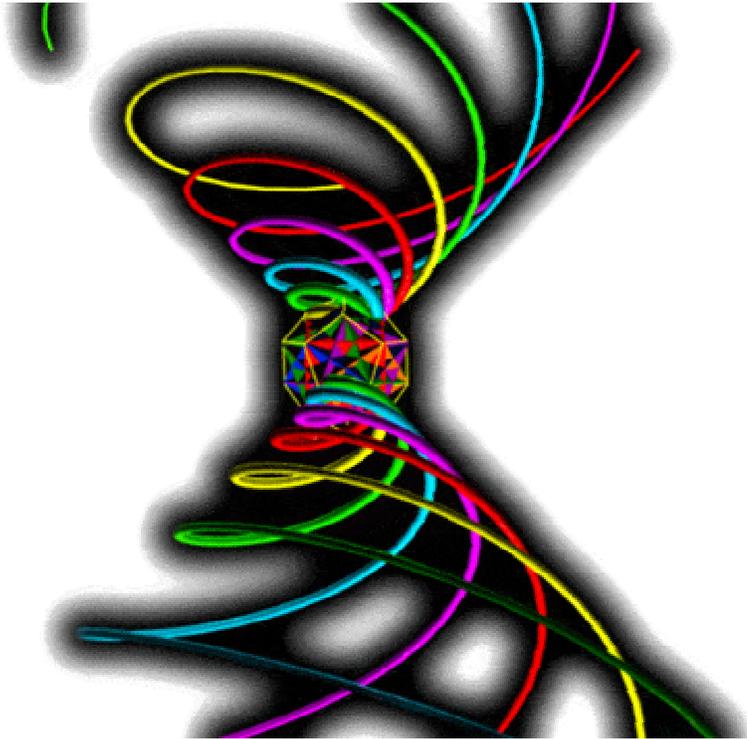
The following graphics are by Dan Winter and can be found with a lot of additional graphic and textual material and cross-links at the Implosion Group site. See [www.soulinvitation.com/triplosion/](http://www.soulinvitation.com/triplosion/), et al.

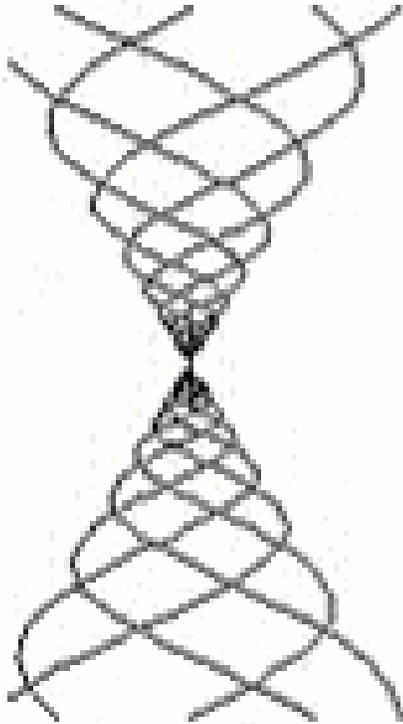
These computer-generated images give you a better approximation of what I describe in OP 11.35-39 as the most likely model of the electron and its companion, the positron. See also my comments (OP 17.9-30) on Laurent Nottale's **Fractal Space-Time in Microphysics: Towards a Theory of Scale Relativity** (River Edge, NJ: World Scientific, 1993). Nottale is another pioneer in developing the notion that fractals play a vital role in the physical structure of the universe. Fractals based on the Golden Ratio Phi are a natural candidate for the self-similar self-interacting structure of the electron-positron-photon system.

As you look at the image, imagine that the electron-positron pair creation event is at the core of the cone-shaped spiral. Paired photons emerge from a dense twisting of space-time caused by an observer's twisted sense of humor. Humor arises through a sudden shift of attention from one probability to another much less probable condition. This suddenly creates a sense of density. (To experience this, closely examine the structure of your favorite joke.) A photon emerges by Hawking radiation from the black hole condition at the Planck scale into this dense self-generated space-time. It then slowly winds its way out of the

density in a phi spiral, picking up velocity as it goes, until the density approximates that of “ordinary” space-time and it reaches maximum velocity at standard light speed. It moves with a helical motion. When it encounters a proton (which is easy if the electron is bound in an orbital around one) the helix spirals inward toward its positron mate that lies at the proton’s core. This reverses the vortex path in space-time and the photon spirals back into the Planck scale core located in the past at the point of pair creation. The Hawking event thus involves a double cone-shaped spiral. One cone spirals forward in time, and the other spirals backward in time. The electron phase is a white hole, and the positron phase is a black hole. The photon phase is what we experience as the illusion of light propagating across space-time. The fractal phi spiral maintains a constant Einstein/de Broglie velocity relation between the self-similar cycle components of the photon phase in its spiral path.

- (Current Cycle)(Previous Cycle) =  $c^2$ .

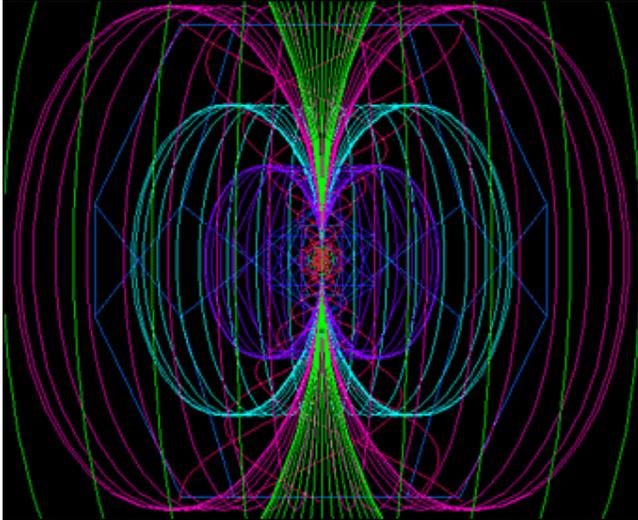




Photons that are absorbed by an observer have matching anti-photons (attention particles) that spiral from the observer to the electron that emits the photon. Objects emit photons, and observers “emit” anti-photons (attention particles). Anti-photons travel backwards in space-time, so they overlap with photons. This generates the phenomenon of consciousness. An observer functioning as a black hole of awareness sucks in photons and then secretly (i.e. “subconsciously” for the majority of observers on this planet) recycles them backward through the space-time vortex of consciousness to the pair creation event during which the observer separated himself/herself from the object of observation, an event the observer pretends to have forgotten. Many observers even go one better and pretend that such a separation event never happened. An observer functioning as an object radiates light and is surrounded by his/her EM fields. This creates a pretty good light show aimed at convincing other imagined observers that such an observer is really a separate object dwelling in his/her own private space-time. Ah well. The tradeoff for the great light show is pretense and loneliness, an apparent lack of being loved for all the show.

The following graphic shows the field lines that form around an electron. In the center (in red) you can see the vortex-shaped phi spirals of the

photons.



The same cone structure holds for the description of gravity. See OP 14, “A Conical Theory of Gravity”. From the time of Kepler and Newton physicists have recognized that gravitational interactions follow mathematical paths along the surface of cones as they are intersected by planes. In geometry these are called “conic sections”. Observer Physics brings attention back to these fundamental geometric structures in the light of our new understanding of the paradigm of **phase conjugation**. We discover that the system operates like a set of conjugate mirrors manipulated from a hyperspace bifurcated set of viewpoints known in geometry as **directrices**. These divine ladies of our hyperspace awareness hold the mirrors that give us the illusion of stars and planets moving about in orderly orbits. If we wish to explore the vast playground we call **outer space**, we might want to get better acquainted with these subtle ladies. Ironically we can contact them most easily by imploding our attention to **inner space**.