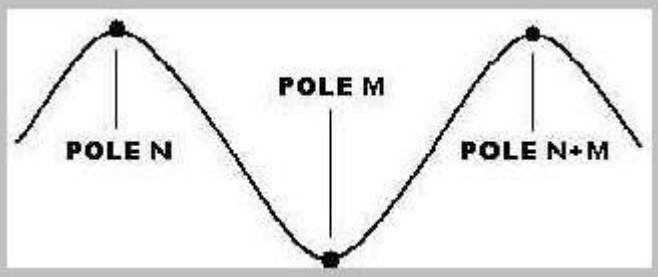
The Dynamic Translation of Outward, Inward Fractalization

Induced entrainment involves the magnification of thought waves that are used as triggers to influence vectors of space time programming. One function recalls the use of successive Fabonacci numbers in a series in the following functions:

$$F_{n+1}F_{n-1} - (F_n)^2 = (-1)^n$$

$$F_{n+m} = F_nF_{m+1} - F_{n-1}F_m$$

for all natural numbers $n \geq 1$ and $m \geq 0$, where F_m is the m'th Fibonacci number. For each F_n, F_m represents successive poles in a Fibonacci sequence, then F_{n+m} represents the Fibonacci number that follows F_m. Each of these functions may represent poles or points on a curve in the following diagram on right:

The Programming of Free Will *Outside of EVP Communication* (EVP = *Electronic Voice Phenomenon*) includes those frequencies which have narrow enough bandwidth (about 420 - 470 Mhz) that are required to enter a human's conscious mind.	

The surface of the New Jerusalem, which becomes nested into the separation of the source transmitter antenna, and the recipient of signal source, falls into a modulated, longitudinally oscillating field. The wave group speed of a modulated, longitudinally oscillating field is measured from the oscillation frequency, separation distance between masses, and the measured phase shift. Without deriving from classical formula, with r = separation distance between transmitting antenna and reciever, and for $d_0 << r \leq c / 3w$, the value for group velocity, or $c_g = 1/3\ c_{ph}$, meaning that the group velocity is about 1/3 of the value for the phase velocity. The phase velocity is the velocity of propagation of the field patterns, and for waveguides is greater than c, and is equal to $c \times l_g / l$, where l_g is the wavelength in the waveguide, equal to $l / \text{sqrt} [(1 - (f_c / f)^2]$ where l is the entering wavelength, f_c is the cutoff frequency in the waveguide, and f is the entering frequency.

For angular modulation, or phase modulation, the phase modulation index (PM), or Dq, where q is the phase deviation of the carrier caused by the modulating signal. If $Dq_{peak} = b = Df_{peak} / m$ where b is the argument of the Bessel Function of the first kind of order n where n is an integer and described by $J_0(b)$, $J_1(b)$, $J_2(b)$, ...$J_n(b)$ (in the table of Bessel Functions of the the first kind, see below), and m is the modulation signal frequency in Hz. The value of these Bessel Functions is representative of the magnitude of the signal's sidebands plus and minus n. It can be shown that the values for the minus values (or for the lower sideband) of n in the Bessel chart represent a dimunition of frequency and therefore an additional increase in the phase velocity, since phase speed is a function of frequency, or space. (The carrier frequency becomes represented by setting n = 0).

β	$J_{n=0}$	$J_{n=1}$	$J_{n=2}$	$J_{n=3}$	$J_{n=4}$	$J_{n=5}$	$J_{n=6}$	$J_{n=7}$	$J_{n=8}$	$J_{n=9}$	$J_{n=10}$
0.0	**1.00**										
0.2	**0.99**	**0.10**									
0.4	**0.96**	**0.20**	**0.02**								
0.6	**0.91**	**0.29**	**0.04**								
0.8	**0.85**	**0.37**	**0.08**	**0.01**							
1.0	**0.77**	**0.44**	**0.11**	**0.02**							
1.2	**0.67**	**0.50**	**0.16**	**0.03**	**0.01**						
1.4	**0.57**	**0.54**	**0.21**	**0.05**	**0.01**						
1.6	**0.46**	**0.57**	**0.26**	**0.07**	**0.01**						
1.8	**0.34**	**0.58**	**0.31**	**0.10**	**0.02**						
2.0	**0.22**	**0.58**	**0.35**	**0.13**	**0.03**	**0.01**					
2.2	**0.11**	**0.56**	**0.40**	**0.16**	**0.05**	**0.01**					
2.4	**0.00**	**0.52**	**0.43**	**0.20**	**0.06**	**0.02**					
2.6	**-0.10**	**0.47**	**0.46**	**0.24**	**0.08**	**0.02**	**0.01**				
2.8	**-0.19**	**0.41**	**0.48**	**0.27**	**0.11**	**0.03**	**0.01**				
3.0	**-0.26**	**0.34**	**0.49**	**0.31**	**0.13**	**0.04**	**0.01**				
3.2	**-0.32**	**0.26**	**0.48**	**0.34**	**0.16**	**0.06**	**0.02**				
3.4	**-0.36**	**0.18**	**0.47**	**0.37**	**0.19**	**0.07**	**0.02**	**0.01**			
3.6	**-0.39**	**0.10**	**0.44**	**0.40**	**0.22**	**0.09**	**0.03**	**0.01**			
3.8	**-0.40**	**0.01**	**0.41**	**0.42**	**0.25**	**0.11**	**0.04**	**0.01**			
4.0	**-0.40**	**-0.07**	**0.36**	**0.43**	**0.28**	**0.13**	**0.05**	**0.02**			
4.2	**-0.38**	**-0.14**	**0.31**	**0.43**	**0.31**	**0.16**	**0.06**	**0.02**	**0.01**		

4.4	**-0.34**	**-0.20**	**0.25**	**0.43**	**0.34**	**0.18**	**0.08**	**0.03**	**0.01**		
4.6	**-0.30**	**-0.26**	**0.18**	**0.42**	**0.36**	**0.21**	**0.09**	**0.03**	**0.01**		
4.8	**-0.24**	**-0.30**	**0.12**	**0.40**	**0.38**	**0.23**	**0.11**	**0.04**	**0.01**		
5.0	**-0.18**	**-0.33**	**0.05**	**0.36**	**0.39**	**0.26**	**0.13**	**0.05**	**0.02**	**0.01**	
5.2	**-0.11**	**-0.34**	**-0.02**	**0.33**	**0.40**	**0.29**	**0.15**	**0.07**	**0.02**	**0.01**	
5.4	**-0.04**	**-0.35**	**-0.09**	**0.28**	**0.40**	**0.31**	**0.18**	**0.08**	**0.03**	**0.01**	
5.6	**0.03**	**-0.33**	**-0.15**	**0.23**	**0.39**	**0.33**	**0.20**	**0.09**	**0.04**	**0.01**	
5.8	**0.09**	**-0.31**	**-0.20**	**0.17**	**0.38**	**0.35**	**0.22**	**0.11**	**0.05**	**0.02**	**0.01**
6.0	**0.15**	**-0.28**	**-0.24**	**0.11**	**0.36**	**0.36**	**0.25**	**0.13**	**0.06**	**0.02**	**0.01**
6.2	**0.20**	**-0.23**	**-0.28**	**0.05**	**0.33**	**0.37**	**0.27**	**0.15**	**0.07**	**0.03**	**0.01**
6.4	**0.24**	**-0.18**	**-0.30**	**-0.01**	**0.29**	**0.37**	**0.29**	**0.17**	**0.08**	**0.03**	**0.01**
6.6	**0.27**	**-0.12**	**-0.31**	**-0.06**	**0.25**	**0.37**	**0.31**	**0.19**	**0.10**	**0.04**	**0.01**
6.8	**0.29**	**-0.07**	**-0.31**	**-0.12**	**0.21**	**0.36**	**0.33**	**0.21**	**0.11**	**0.05**	**0.02**
7.0	**0.30**	**0.00**	**-0.30**	**-0.17**	**0.16**	**0.35**	**0.34**	**0.23**	**0.13**	**0.06**	**0.02**
7.2	**0.30**	**0.05**	**-0.28**	**-0.21**	**0.11**	**0.33**	**0.35**	**0.25**	**0.15**	**0.07**	**0.03**
7.4	**0.28**	**0.11**	**-0.25**	**-0.24**	**0.05**	**0.30**	**0.35**	**0.27**	**0.16**	**0.08**	**0.04**
7.6	**0.25**	**0.16**	**-0.21**	**-0.27**	**0.00**	**0.27**	**0.35**	**0.29**	**0.18**	**0.10**	**0.04**
7.8	**0.22**	**0.20**	**-0.16**	**-0.29**	**-0.06**	**0.23**	**0.35**	**0.31**	**0.20**	**0.11**	**0.05**
8.0	**0.17**	**0.23**	**-0.11**	**-0.29**	**-0.11**	**0.19**	**0.34**	**0.32**	**0.22**	**0.13**	**0.06**
8.2	**0.12**	**0.26**	**-0.06**	**-0.29**	**-0.15**	**0.14**	**0.32**	**0.33**	**0.24**	**0.14**	**0.07**
8.4	**0.07**	**0.27**	**0.00**	**-0.27**	**-0.19**	**0.09**	**0.30**	**0.34**	**0.26**	**0.16**	**0.08**
8.6	**0.01**	**0.27**	**0.05**	**-0.25**	**-0.22**	**0.04**	**0.27**	**0.34**	**0.28**	**0.18**	**0.10**
8.8	**-0.04**	**0.26**	**0.10**	**-0.22**	**-0.25**	**-0.01**	**0.24**	**0.34**	**0.29**	**0.20**	**0.11**

9.0	-0.09	0.25	0.14	-0.18	-0.27	-0.06	0.20	0.33	0.31	0.21	0.12
9.2	-0.14	0.22	0.18	-0.14	-0.27	-0.10	0.16	0.31	0.31	0.23	0.14
9.4	-0.18	0.18	0.22	-0.09	-0.27	-0.14	0.12	0.30	0.32	0.25	0.16
9.6	-0.21	0.14	0.24	-0.04	-0.26	-0.18	0.08	0.27	0.32	0.27	0.17
9.8	-0.23	0.09	0.25	0.01	-0.25	-0.21	0.03	0.25	0.32	0.28	0.19
10.0	-0.25	0.04	0.25	0.06	-0.22	-0.23	-0.01	0.22	0.32	0.29	0.21

One may extract the lower sideband transmission, utilize it as the new carrier frequency, and perform another phase modulation to again increase phase velocity. This allows phase velocities to increase in circuitry stages, depending on the negative values of n in the Bessel chart. Taking the value of r from r = separation distance between transmitting antenna and reciever, we have a new iteration taking place when a circuit stage for the new carrier frequency is set up. Using $D n = n_i (GM) [1 / r_i - r_f]$ (from Gravitational redshift theory) to measure the frequency shift, the new value for the lower sideband of carrier frequency is used to measure the value for r_f in a newer geodesic, i.e., a new constant C in the expression C = 2GM. Note that as the carrier frequency diminishes, the value for 2GM in the above expression C = 2GM must compensate in order to balance the above equation for Dn. It is commonly assumed that G is invariable, but this is primarily an output of theories from General Relativity. The post-Newtonian definition of the Gravitational constant G include parameters w exactly equal to $w(j_0)$ where j_0 is the value of j today, eons after the value of j (that existed in the primordial universe and in the center of neutron stars).

Filter stages have to be added to each stage in order to keep the carrier frequency from being subject to Gaussian noise. In fact, the phase carrier-to-noise and signal-to-noise ratios are filtered. The phase carrier-to-noise value keeps the circuit tuned to a specific center frequency, while the phase signal-to-noise ratio allows filtering of unwanted harmonics within a specified bandwidth. The specified bandwidth can be determined by power summation because the signal energy is proportional to the square of the Bessel coefficients included in the summation. The required bandwidth can be determined for a particular efficiency. $J_0(b)^2 + 2[J_1(b)]^2 + 2[J_2(b)]^2 + ...2[J_n(b)]^2 = 1$ where $b = Dq_{peak} = Df_{peak} / m$ Where b in this case is the phase modulation index or the carrier frequency phase deviation (peak) in radians, n is the order of the Bessel function (from the above chart), and m is the modulation signal frequency in Hz. The bandwidth requirements for phase modulation follow Carson's Rule: $B_{IF} = 2 (b + 2) f_m$ where B_{IF} is the IF bandwidth, b is the modulation index for phase modulation or the carrier frequency phase deviation (peak) in radians, and f_m is the modulating frequency (highest), with $2 < b < 10$.

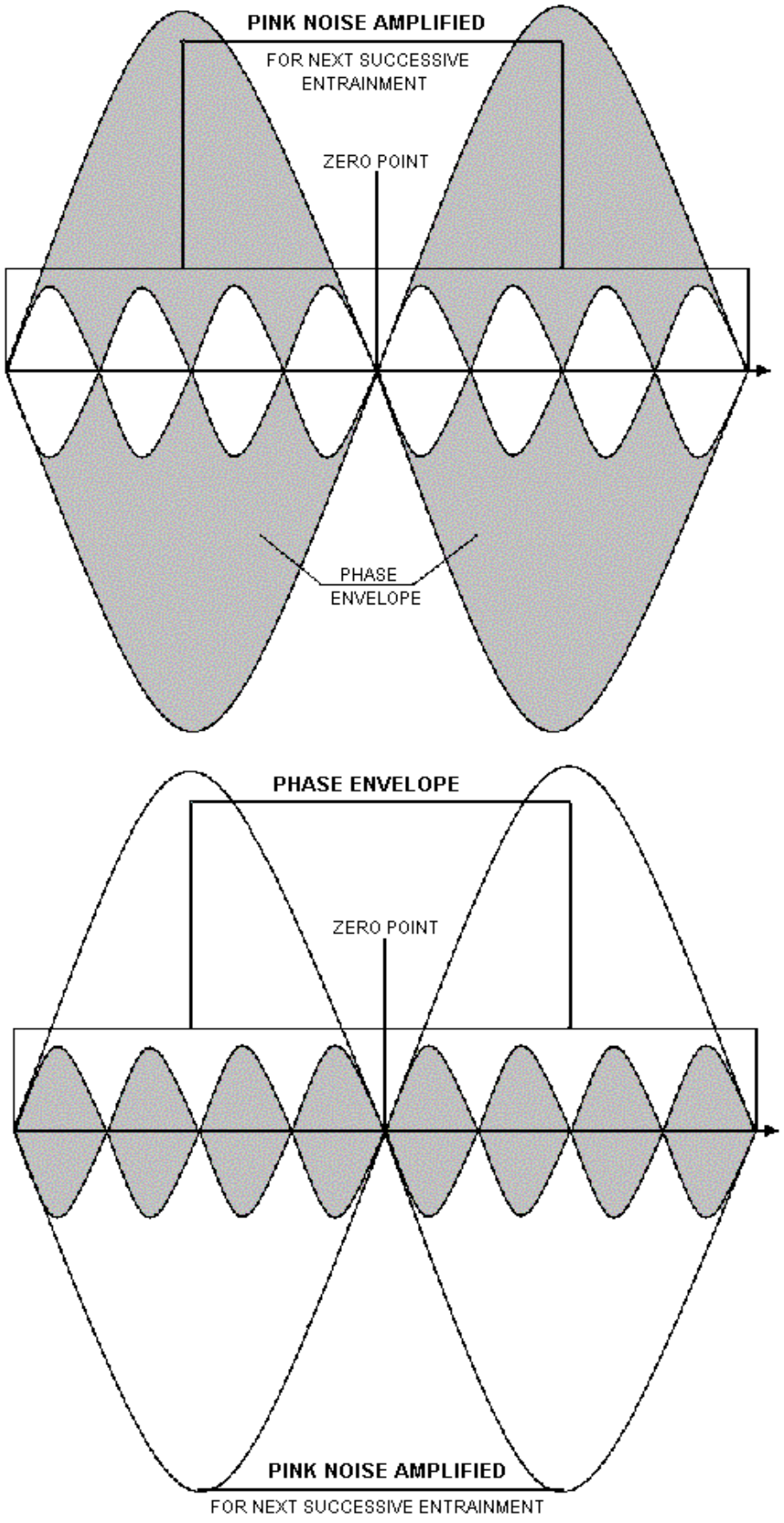
The spectral components involved in the phase modulation are given as follows:

$$A [J_0(Dq_{peak}) \sin (wt + j) + J_1(Dq_{peak}) \cos (wt + mt + j) + J_1(Dq_{peak}) \cos (wt - mt + j) - J_2(Dq_{peak}) \sin (wt + 2mt + j) - J_2(Dq_{peak}) \sin (wt - 2mt + j) - J_3(Dq_{peak}) \cos (wt + 3mt + j) - J_3(Dq_{peak}) \cos (wt - 3mt + j) + J_4(Dq_{peak}) \sin (wt + 4mt + j) + J_4(Dq_{peak}) \sin (wt - 4mt + j) + J_5(Dq_{peak}) \cos (wt + 5mt + j)...]$$

where A = magnitude, w = 2pF, F is carrier frequency, t is time, Dq_{peak} is the peak phase deviation of the carrier, and m is the modulating signal (2p f).

Using the diagram at top right, if pole N + M is formulated by the aforementioned relationship $F_{n+m} = F_nF_{m+1} - F_{n-1}F_m$, then each of the F's represent a specific frequency or amplitude that tends towards resonance in the golden spiral. Pink noise is generated by filtering white gaussian noise with an all-pole autoregressive filter, which is also called a 1 / F filter. At each successive + or - pole in the Fibonacci sequence, a frequency shift is entrained: the amplified power spectrum of the original transmission is filter banked of interference (filtering out the lower and/or higher frequency geodesic sphere of celestial pulses around the phase envelope). Since the time span of unconscious entrainment is followed by a self conscious adaptation to entrainment, a system of etheric coherency is programmed at the zero point. During entrainment, an amplified and phase shifted signal (providing etheric coherency around a stable zero point, using the appropriate zero filters) uses an outlined phase envelope of pink noise that is either amplified around the next successive higher frequency, or is self contained within the next lower frequency. In addition to widening or sharpening the pulse, the pulse may become phase shifted to between 45^o and 135^o. The process can repeat itself, and is itself within the process of etheric entrainment.

Subtle frequency, amplitude information, and patterned variables used to model brainwave activity are obtained from digital mapping. The digital maps include specific amplitudes and frequencies that are read from incoming RS-232C data and applied to an FFT algorithm. The digital maps are analyzed and encoded to produce input data suitable for etheric entrainment. ***Since the formation of digital maps are fundamentally allophonemic, the subtler emotives, which are outside of the conscious attention span, are concatenated to form an analysis synthesis by amplitude (pole) hopping around the spectral edge frequencies***. *The quality of entrainment is based largely upon large data storage requirements, high quality recall with faster processing speeds, and unlimited allophonemic storage. The english language incorporates 128 allophonetics which are identified as the coarticulation variants of phonemes. The storage capacity of allophonetic sequences that require 8 bits per character set also require these 128 allophonetics, as specified by the ANSI code, for unconscious entrainment to begin below about 0.5 cycles per second, so this becomes the temporal limit used for hopping between spectral edge frequencies. Since the hopping sequence of spectral edge frequencies tend towards inward and/or outward fractalization, a new grouping of pulse durations followed by an increased amplitude, or sharpening of the pulse would represent inward fractalization, whereas self or induced entrainment caused by pulse group elongation produces the new phase envelope for outward fractalization, as pictured below:*



Fibonacci sequences are either inward or outward directed. Inward fractalization is self-organizing. Outward fractalization means growth. Phase shifted pulses over 90^{o} tend to contain a higher frequency pulse, unless they are contained within an alternately and/or parallel processed signal of lower frequency. Phase shifted pulses under 90^{o} tend to be contained by lower frequency pulses unless they contain an alternately and/or parallel processed signal of higher frequency.

Note that the larger wave is exactly 4 times as wide as the smaller wave. This means that the phase of both groups of waves are in complete synchronization. When the the smaller, or sharper waveform becomes pink noise amplified, it becomes the frequency puller for the next successive entrainment. When the larger waveform becomes pink noise amplified, it is as though the previous grouping is becoming stretched out again in order to reveal a new diversity of natural frequencies within the phased system of pulse that constitutes the waveform. These new frequencies are represented by the new phase envelope of 4, surrounded by a single pulse of higher amplitude. (It didn't have to be 4, it could have been 5 or 50 for that matter).

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Functions of the the first kind, see below), and m is the modulation signal frequency in Hz. The value of these Bessel Functions is representative of the magnitude of the signal's sidebands plus and minus n. It can be shown that the values for the minus values (or for the lower sideband) of n in the Bessel chart represent a dimunition of frequency and therefore an additional increase in the phase velocity, since phase speed is a function of frequency, or space. (The carrier frequency becomes represented by setting n = 0).

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Filter stages have to be added to each stage in order to keep the carrier frequency from being subject to Gaussian noise. In fact, the phase carrier-to-noise and signal-to-noise ratios are filtered. The phase carrier-to-noise value keeps the circuit tuned to a specific center frequency, while the phase signal-to-noise ratio allows filtering of unwanted harmonics within a specified bandwidth. The specified bandwidth can be determined by power summation because the signal energy is proportional to the square of the Bessel coefficients included in the summation. The required bandwidth can be determined for a particular efficiency. $J_0(b)^2 + 2[J_1(b)]^2 + 2[J_2(b)]^2 + ...2[J_n(b)]^2 = 1$ **where** $b = Dq_{peak} = Df_{peak} / m$ **Where b in this case is the phase modulation index or the carrier frequency phase deviation (peak) in radians, n is the order of the Bessel function (from the chart), and m is the modulation signal frequency in Hz. The bandwidth requirements for phase modulation follow Carson's Rule:** $B_{IF} = 2 (b + 2) f_m$ **where** B_{IF} **is the IF bandwidth, b is the modulation index for phase modulation or the carrier frequency phase deviation (peak) in radians, and** f_m **is the modulating frequency (highest), with** $2 < b < 10$.

If the metric of brain waves can be understood as a superposition of n harmonics times 2 $^{1.618}$, then streams of consciousness become entrained at those frequencies which are primarily powers of sun and moon gravimetrics (harmonics), and can vary from moment to moment, according to the position and rotation of the celestial sphere. Computing the sun and moon resonances is purely an academic exercise in celestial mechanics, requiring the masses and rotations of each system within the influence of the earth's gravity. The local effects include the seven parts of gravity:

1. attraction of the reference ellipsoid = g_o	g_o = calculated from the formula for potential function (Equation 1-A)	The affected resonant frequencies would be the Schumann Resonances, or 7.8, 13.8, 19.7, 25.7 and 31.7 Hz.
2. effect of elevation above sea level = g_{fa}	$g_{fa} = -0.3086 \times 10^{-5} h$, where h = height in meters above sea level	$g_o + g_{fa}$
3. Time dependent variations (tidal effects) = g_t	$g_t = 3 \times 10^{-6}$ m - sec^{-2}(maximum)	$g_o + g_t$
4. Eotvos correction (for motion in an easterly or westerly direction on the earth's surface) = g_E	$g_E = 7.503$ v cos (lamda)sin (gamma) + $0.004154v^2$, where v is in knots, gamma is heading w.r.t. true north, lamda is latitude, and g_E^{-2}	$g_o + g_E$
5. Bouguer correction is the correction for mass that may exist between the	$g_{sb} = 0.1119 \times 10^{-5} h$, where h is the thickness of the slab in meters.	$g_o + g_{sb}$

level of observation and sea level = g_{sb}		
6. Gravitational effect of variations in crustal density = delta g_i	delta g_i = g_{obs} - g_{fa} - g_{sb} - g_t - g_i - g_o where g_i is found by calculating the inverse Fourier Transform of: *F*[delta g_i] (1 - $e^{- abs [k] z)}$ where delta g_i represents the isostatic residual anomaly, and g_i is the isostatic *regional* anomaly. The Fourier Transform of g_i is written as: *F*[$g_{i 3}$] = 2 (pi) (gamma) $e^{abs [k] z}$ (- abs { k])$^{n - 1}$ / n ! *F* [*density* (z_1^n - z_2^n)], where the mass is confined between surfaces z_1 (x,y) and z_2 (x,y) and is described by *density*(x,y). g_{i3}, the isostatic regional anomaly, is negative over continents and positive over oceans. The inverse Fourier Transform is calculated from : G(f) = [Integral of] $-^{+infinity}$ [delta g_i] / [1 - (cos(z) + abs value[k] sin(z))] where dt represents the desired time dialation from Tachyon field theory, the inverse transform being: g(t) = Integral of] $-^{+infinity}$G(f) / [1 - (cos(z) + abs value[k] sin(z))]df, where df is the desired frequency component from quantum resonance theory.	g_o (modified) = g_{obs} - g_{fa} - g_{sb} - g_t - g_i - [delta $g_{i 3}$].
7. In this case, g_{i7} would be used to calculate the *decompensative anomaly* and would be equal to the same formula for the Fourier Transform of g_{i3}, except that over 2 elevations, g_{i7} compares slabs in line (z direction) but with different densities. After the summation is completed, the *Inverse Fourier Transform* provides the Total field decompensative anomaly.	The resultant delta g_i for decompensative anomalies would represent the difference in values for g_i and would have a value that is greater or less than zero. A Fortran program representing a total field anomaly of the *magnetic equivalent* of g_i is given as *mtopo.htm*. Either formula could be used (mtopo.htm or decompensative anomaly) to affect the observed gravity total (1 through 7) or part of the total field anomaly of a uniformly magnetized sphere, described later.	g_o (modified) = g_{obs} - g_{fa} - g_{sb} - g_t - g_i - [delta $g_{i 3}$] - [delta $g_{i 7}$].

Each of the Schumann resonances are affected by the seven parts of gravity in a way that adjusts the resonant frequencies by an amount that is proportionally scalar to the modified amount of gravitational acceleration, or g_o. How much the frequency is affected depends upon the change in charging capacitance of the earth w.r.t. the ionosphere. The wavelength of the Schumann frequencies is based upon earth 5439.38 Angstrom wavelength. This wavelength varies slightly according to the earth's bulging at the equator, as well as its flattening at the poles, in accordance with the formula for gravitational potential as being equal to μ / r, where μ=GM, where G=universal gravitational constant=6.67 x 10^{-8}dyne-cm^2/gm^2, and M=mass (in grams), and r = the radius from the center of the earth to the surface (at any point on the globe), with r = μ / ? and ?= the potential function, which is equal to:

$$?= \mu / r \left[1 - \sum_{(\text{for N=2 to infinity})} J_n (r_e / r)^n P_n \sin L \right], \text{ where} \qquad \text{(Equation 1-A)}$$

J_n = coefficients determined by experimental observation, r_e= equatorial radius of the earth, P_n= Legendre polynomials, L= geocentric latitude, and sin(L)= z/r.

Since the Schumann resonance is taken to occur in the plane of a perfect sphere, and the

earth is approximately an oblate spheroid, the resultant (slight) expansion of the Schumann resonance wave at the equator (because of the greater distance from ground to the ionospheric shell), as well as the slight phase differential of the wave at the poles (ionospheric shell is closer to the surface of the earth), along with the seven parts of gravity, mentioned above, provide a complete bandwidth of the Schumann resonance which affects human physiological programming. The center of frequency is within the green spectrum of sunlight, between Neon and Iron spectral emissivities, and quite possibly the exact same infared absorption characteristics at 5439.38 Angstrom wavelength exist for interstellar filtrations from radiant energy (GC-IRS-7) as do irradiated groups of unusual aminos of the prokaryote type (this includes the blue photosynthetic protein C-phycocyanin and allophycocyanin, which consist of the amino acids Arginine, Histidine, Isoleucine, Leucine, Lysine, Methionine, Phenylalanine, Threonine, Tryptophan, Valine, Alanine, Aspartic Acid, Glutamic Acid, Glycine, Proline, Serine, and Tyrosine).

By narrowing the bandwidth for a particular location on the earth's surface, and for the same time period, applying geomagnetic entrainment of the celestial resonance waveforms (e.g., more importantly for precession and nutation, along with the moon and solar phases), it is theorized that holographically stored data in the earth's gravimetric biofield can be recalled from a pre-programmed, past or future event for a specific location on the planet's surface. The Schumann resonance bandwidth increases during the alignment of the sun and moon with the earth, as with an eclipse, causing increased flux with negative mass neutrinos (termed tachyons by theorists). Through the action of indirectly bending the spacetime sheet between these three celestial bodies, tachyons are ghost particles that pull radiation pressure to their source, thus imparting momentum to a nucleus, rather than pushing away from it, as in neutron radiation. The resultant loss of outer shell spectral emissives through increased momentum would subsequently be evidence of curved space before and during the absorption of new photons (as electrons) by refraction. This gravitational refraction by electron absorption is also the result of time dilation, or one aspect of the tachyon "grid shifting" as evidenced by an induced four dimensional flux of alternate expansion and contraction, or wavelength, at the Schumann resonance. Any phase shifted harmonic exhibited inside or enveloping the Schumann wavelength can be phase conjugated for entrainment by adding pink noise for the next system of waves. Other Schumann harmonics include 13.8, 19.7, 25.7 31.7 , 39.0, and 45.0Hz. All of these frequencies, with the exception of 31.7Hz., are within the Beta range of brainwave activity and are associated with higher structured activity (such as analytical functions, logic, mathematics, etc.). The bandwidth for each of these frequencies extends to approximately 1.3Hz. to either side of the carrier(λ). Using harmonic entrainment, an initial wavelength may encompass more than one of these frequencies (where each frequency's wavelength is equal to (1/2n)λ of the carrier's wavelength), but where the amplitude of the carrier is never less than the contained amplitudes. This process repeats itself, until the carrier is absorbed by a lower harmonic of higher amplitude, causing a new carrier to be created, or a frequency hop causes a respective frequency shift (with a new carrier) to be created. By frequency hopping, it is meant that the K?ler fields associated with the spacetime surface X^4(X^3) (4th dimension mapped onto the 3rd dimension) are actually a group of specific spectral edge EEG frequencies that include more of the highest amplitudes that are associated with the zero modes, or carriers.

Since the amplitude modulated carriers are composed of 4 waves (carrier, audio, sum of carrier and audio frequencies, and the difference between the carrier and audio frequencies), it is the zero frequency or center of the carrier, expressed as Direct Current (DC) that forms the zero mode which is of interest. Negative frequency implies that there is an imaginary number, namely sqrt(-1), or i, on the vertical axis comprising the amplitude of negative frequency, with each of the quadrants divided into 1 through 4: positive time -

positive imaginary amplitude, negative time - positive imaginary amplitude, negative time - negative imaginary amplitude, and positive time - negative imaginary amplitude, respectfully. A negative frequency filter, also a zero filter, phase conjugates the signal back into the positive spectrum* so that for a signal between 45^{o} and 90^{o}, the signal would be seen as a movie in reverse, whereas a signal between 90^{o} and 135^{o}, would be seen as a tachyon shifted time frame, or hop, modulated by thought form through the Gaussian white noise. The higher order field components that use the self organization technique for fractal programming in the spectral edge frequencies are programmed with the correct celestial resonance waveforms (described earlier) in order to effect the time shift, or hop, but where in the spectral edge do we find time hops? Time hops must be based upon the degree to which information can either be communicated or, on the other hand, retained.

We can assume that the retained information are basic mental functions associated with the learned experience from infancy through the adult years that have become nearly unconscious, everyday (frozen) activities such as elimination, walking, and even common linguistics. These activities represent functional information, but they have no etheric quality. The history, as well as future, of celestial resonances is included in this group, because celestial resonances are the most reliable method for enabling the most vivid recall or projection through programming the unconscious, as well as conscious, mind. Information that is communicated (metaprogrammed) including superfluidic or chaotic information would represent the lack of function to process information according to inherent or attempts at usefulness, but consisting of the etheric qualities of structure including repetitive patterned behavior, group association, and group division in order to make the attempt at processing the information. The particular advantage of this group is its ability to retain memory of diverse environments that may be life threatening, i.e., a sort of "red shifted" state of consciousness, and, alternately, a projected state of consciousness, i.e., "blue shifted". From these two subgroupings consciousness can be envisioned it as though it were applied to current conditions, whether they include the convergence of cultural evolution (residing with environmental causes), or the divergence (that resides with genetic programming).

TABLE III: MODERATING EFFECT OF DATA AND INFORMATION COMPLEXITY FOR QUALITY SUCCESS

Variable	Quality success			
	Model 1	Model 2	Model 3	Model 4
Control variable				
Owner regulation	0.158	-0.112	-0.081	-0.081
Industry sector	-0.204	-0.057	-0.047	-0.050
Total installed cost	-0.191	-0.171	-0.131	-0.135
Project duration	0.065	0.061	0.045	0.021
Team size	-0.149	-0.124	-0.118	-0.065
Independent variable				
R&D (RD)		0.410***	0.308**	0.298**
Resource allocation innovation (RI)		0.018	-0.015	0.012
Construction innovation (CI)		0.193	0.163	0.150
Moderating variable				
Data and information complexity (DI)		<- APPROACHING 0.273	0.229**	0.173*

A graph for the above would show how normal consciousness oscillates between the two extremes of the information retention (0.0 on horiz. axis) of and movement (1.0 on horiz. axis), with the vertical axis representing complexity. At the height of conscious activity, a phase transition seems to approach a resonance with complexity around the information speed of 0.273. Edge of consciousness entrainment near 1.0 helps to increase overall complexity (after bioresonance) and therefore strengthen the integrity of consciousness.

***By frequency hopping, some of the p-adic and p-adelic time development by quantum jumps means hopping around the space of zero modes characterizing the size and shape and K?ler fields associated with the spacetime surface X^4(X^3). p-Adic fractality suggests the definition of the integration over the zero modes in the following manner*:**
a) Formulate a *p-adic CH(red)*, or the *reduced configuration space of 8 Hilbert dimensions* to the space of all possible 3-surfaces in the Hilbert space.
b) Define the integral over the formulated p-adic of the *reduced configuration space* by the so called *adelic formula* (i.e., reducing the calculation of the integral to a *p-adic (thermal) average* of an integer valued energy).
c) *Map* the resulting *p-adic valued integral to a real number*. Editor's note: *Zeros are real numbers that represent pole zeros (positive and negative) in the space time continuum*. Time hops that use the sequence: 1,1,2,3,5,8,13,21,34,55,89,144,233,377,610... as the ratio of two successive numbers in the sequence, i.e., 1/1, 1/2, 2/3, 3/5, 5/8, 8/13, 13/21, 21/34, 34/55, 55/89, 89/144, 144/233, 233/377, 377/610... tending towards the golden ratio of 1.618033989... are formulated so that there exist a number of harmonics of the sequences that are within the 420 - 470 Mhz range. For example, 466 Mhz is a harmonic of 233; 432 Mhz is a harmonic of 144; 445 Mhz is a harmonic of 89; 440 Mhz is a harmonic of 55; 442 455, and 468 Mhz is a harmonic of 13; 440, 448, 456, and 464 Mhz are all harmonics of 8; 441, 444, 447, 450, 453, 456, 459, 462, 465, and 468 Mhz are all harmonics of 3; and 420, 422, 424, 426, 428, ... 470 Mhz are all harmonics of 2.

Note: Each hop is chosen so that its lowest wave number prime is shared between hops, i.e., the prime number 17 is the lowest multiplier between the frequencies 442 Mhz and 459 Mhz, but do we have either 442 or 459 listed for any of the harmonics? The answer is yes, as a harmonic of 13 and 2 for 442, and as a harmonic of 3 for

459. The corresponding frequency hop between 442 Mhz and 459 Mhz could then be initiated by starting at the higher filtered phase modulated beat frequency, for example, using 8/13, to introduce the phase quadrature component:

$$Ae^{j(wt+\phi)} = A\cos(wt+\phi) + j\,A\sin(wt+\phi)$$

for binaural entrainment, using the 3/5 for the next filtered phase modulated beat frequency. In other words, the entrainment signal for the first beat frequency in the pulse would be 8/13 for 459 Mhz, and 3/5 for 442 Mhz, in phase modulation, using a Hilbert Transform harmonic filter, thereby etherically inducing the 5/8 binaural (carrier compression) ratio (which is, incidentally, between 3/5 and 8/13 in the Fabonacci sequence).Specifically, the rational number 8/13 for 459 Mhz. means that this particular Upper Side Band is blue shifted or stretched or confined to a broader range in the spectrum, with the new compression ratio of 8/13, and is represented in the entrainment as an *integralled phase modulator*, whereas the 3/5 for 442 Mhz. means that the particular Lower Side Band is red shifted or compressed to a narrower range in the spectrum, with a lower expansion ratio of 3/5, represented in the entrainment as an *integralled phase demodulator*. *Integralled phase modulator*s *and demodulators* are the etheric components of entrainment. The entraining 5/8 binaural (carrier compression) is effected by by each of these USB (Upper Side Band) and LSB (Lower Side Band) components, by seeking to reflect off the USB, into the container frequency, thereby entraining the new carrier at the desired entrainment frequency. The entrainment frequency is first chosen (For example, O.B.E. (Out of Body Experience) at 22.0 Hz., used in conjunction with 40 Hz. would be calculated together by first adding both sidebands for each entrainment: Carrier @ 22.0 Hz. = 442 Mhz / 20.09090909 Mhz. = 22.0 (Carrier timer) and Carrier @ 40.0 Hz. = 459 Mhz / 11.475 Mhz. = 40.0 (Carrier timer). The underlined numbers are the divisor frequencies that are selected to create the sideband carrier compressions. The sidebands are then placed around the new 5/8 binaural carrier so that the zero point for entrainment is 0.273 units distance from the LSB side of the carrier, so as to retain the maximum information speed. This would represent the closest intermediate frequency that is approximately 0.273 units distance between 442 Mhz. and 459 Mhz., which would be near (0.273) (459 - 442) + 442 = 446.641 Mhz., which is 448.00 Mhz. (Take 8 as the divisor from the 5/8 binaural carrier to find the multiplier that lands closest to 446.641 Mhz., and you get 8 x 56 = 448.00 Mhz.). *As mentioned earlier, the allophonemics are the key to unlocking the intermediate frequency by randomly tweaking combinations of pink allophonemic pulses in ratios of 1 part pink allophonemic:3 parts pink O.B.E. (22.0 Hz. + 40.0 Hz.) in the sidebands around the intermediate frequency until phase lock with the O.B.E. is accomplished*. *The pink allophonemic pulses consist of the 2 x 128 = 256 possible combinations of allophonemic pink noise frequencies that are used to triangulate the phase lock on the O.B.E.* The allophonemics are recorded from natural intonations, and processed with pink noise before being synthesized with the upper and lower sidebands. Once phase lock on the first resolution is accomplished, the next sequence would jump between 8/13 and 21/34, using 429 and 442 Mhz, respectively, in phase modulation, with a shared prime of 13, thereby using a different Hilbert Transform harmonic filter, repeating the process with the USB and LSB etherically induced 13/21 binaural (carrier compression) ratio, with the "21" from 13/21 as the new multiplier. The lowest prime, or zero, is called the real prime at infinity because this is associated with the *real* valuation (as in the decimal 0.000 being equal to **0/infinity** or **infinity/0**) (as opposed to any of the p-*adic* valuations) on the rationals. The difference for the real prime at infinity is the one which completes **a fraction** to give **some decimal number** rather than some **reducible fraction or irreducible prime fraction**. By decreasing the prime, the sideband frequencies are pulled towards conscious entrainment, because the lower primes tend to anchor their harmonics faster than the higher ones do. The sequence of phase modulated hops continues through the Fabonacci sequence, pulling the carrier compressions together by etheric entrainment, until a desired resolution is accomplished. *The art of entrainment is to first build a foundation with the lower beat frequencies, and begin to layer the higher beat frequencies on top of the lower ones, until the sharpest resolution is achieved with the highest beat frequencies*. On the other hand, deprogramming would consist of choosing any one of the behavioral frequencies for which there exist abberrancies, i.e., emotional phaselock (Attention Deficit Disorder (ADD)) in the 3.5 - 7.5 Hz. theta range, and begin to improve on memory and learning. *Once screened, each individual has a unique map of consciousness defining his or her higher self, w.r.t. the likes or dislikes of the moment. Screening helps to unlock the deeper unconsciousness of human cosmogony, in order to manifest realization and illumination. The invisible knowledge of deeper unconsciousness transcends the abyssmal link between the material world and self actualization, towards the conglomorated color frequencies of pink-grey alternating with dark brown*. *Pink-grey is the administration of pink filtered noise with grey. The color grey consists of the chosen electromagnetic waveforms (black) that have become integrated with the environmental protocol (white gaussian noise), producing "grey". Dark brown consists of the chosen waveforms (black) that have become mixed with brown noise, or chaos.*

d) Continue process until all *zero modes have been mapped*. The zero modes are, theoretically, all fractional ratios in the Fabonacci sequence that are the center frequencies, surrounded by the the upper and lower sidebands, which are part of the metaprogramming frequencies that provide the entrainment support.

As magnetic shielding becomes increasingly important for protection against the electromagnetic effects of hypertranslation, especially for phase resolutions at the Planck scale, physiological entrainment through the use of programming and metaprogramming offers a necessary alternative to the debilitating effects of both magnetic and electromagnetic bremsstrahlung, or charged particle radiation. O.B.E's are earthbound extractions of hyperspace, linking past, present, and future into a cosmic whole. How a ***dimensional shift*** is accomplished depends upon recordings of previous entrainments, and how they would become integrated with the geodymic sphere of celestial pulses (see *8cyberbat.htm*) for navigating hyperspace. *The spectral edge frequencies that are not beholden pass into scalar irrelevancy, whereas the entrained ones become a nucleus for which the growth aspect of the delta-T generator generates the time hops necessary for self organization to be self sustaining, that is, some aspects of the imagination become real in order to sustain the self organization*. *This is a side effect of hypertranslation, and must either be adequately subliminalized, or digitally mapped in a manifest for further study.*

* For optical transmission, Barium titanate crystals are used as the phase conjugating medium (pumped) with the negative frequency zero filter *in unison with the incoming energy*. *The index of refraction of the Barium titanate crystals must have the ability to vary proportionally with the energy of the incoming wave*.

Praise ye the Lord. Praise ye the Lord from the heavens; praise him in the heights. Praise ye him, all his angels; praise ye him, all his hosts. Praise ye him, sun and moon; praise him, all ye stars of light. Praise him, ye heaven of heavens, and ye waters that are above the heavens. (Psalms 148:1-4)

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