

## **Ancient Alien Science And The Golden Ratio**

-by-

**Jerry E. Bayles**

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The ancient pre-dynastic pyramids of Egypt are stark evidence of building that predated the Egyptians by many thousands of years. Huge hundred-ton megalithic granite stones fitted together with precision that cannot be explained or copied by today's methods are not only evident in and around the Great Pyramid but in structures around the world. Easter Island, Machu Picchu in Peru and Puma Punku in Bolivia, as well as a host of other locations stand as silent testimonials to scientific methods of building that are unmatched by modern methods of engineering and science.

The ancient Anasazi of Chaco Canyon built multi-story hotel-type structures with thousands of huge wooden beams transported many miles without the wheel or proper tools to work such beams. Included within this paper is a picture of a small bowl made by an Anasazi that I believe to be a model for the construction of a flying saucer or time machine that can be understood by modern waveguide or transmission line theory as to how it works.

In the Great Pyramid of Egypt as well as the Anasazi Bowl, the Golden Ratio dimensions are fundamental to their construction as well as the hyperfine wavelength of the hydrogen atom and the atomic fine structure constant.

Also included in this paper is an analysis of the recently discovered Bosnia Pyramid and it is proven that it too is based on the fundamental physical constants as presented above.

Something damaged a great many of the ancient structures that caused them to literally 'explode' with the sudden increase of energy within and around them. Huge megalithic stones were exploded from the surface of the Pyramids and tossed around like giant Lego's at Puma Punka. I suspect that the pyramids were giant energy machines as well as many of the other structures mentioned above. Further, the alien beings themselves may have been reliant and in physical need of that same energy within their bodies.

### Working Constants Of Electrogravitational Analysis

$$\lambda_{H1} := 8.309493727 \cdot \text{in}$$

Hydrogen Hyperfine Wavelength

$$\alpha := 7.297353080 \cdot 10^{-03}$$

Atomic Fine Structure Constant

$$\text{Side}\lambda_a := \lambda_{H1} \cdot \alpha^{-1} \cdot 8$$

**Working Quantum Related Side Length of the Great Pyramid.**

Therefore:  $\text{Side}\lambda_a = 759.1331300453762 \cdot \text{ft}$  Pyramid Working Side Length Calculated

$$\text{Vel}_{\text{air}} := \text{Side}\lambda_a \cdot \left(\frac{4}{\pi}\right)^2 \cdot \text{Hz}$$

**Working Quantum Air Velocity**

Therefore:  $\text{Vel}_{\text{air}} = 1.2306602764529642 \times 10^3 \cdot \frac{\text{ft}}{\text{s}}$

$$c_{\text{vel}} := 2.99792458 \cdot 10^{08} \cdot \frac{\text{m}}{\text{s}}$$

Speed Of Light

$$m_p := 1.672623100 \cdot 10^{-27} \cdot \text{kg}$$

Proton Rest Mass

$$m_e := 9.109389700 \cdot 10^{-31} \cdot \text{kg}$$

Electron Rest Mass

### Electrogravitational Calculated Quantum Constants

$$f_{LM} := 1.003224805 \cdot 10^{01} \cdot \text{Hz}$$

**Electrogravitational Quantum Standing Wave Frequency**

$$v_{LM} := \sqrt{\alpha} \cdot \frac{\text{m}}{\text{s}} = 0.08542454612112375 \frac{\text{m}}{\text{s}}$$

**Least Quantum Standing Wave Rotation Velocity**

$$\lambda_{LM} := \frac{v_{LM}}{f_{LM}} = 8.514995412331709 \times 10^{-3} \text{ m}$$

**Electrogravitational Quantum Standing Wave Wavelength**

## FineStructureConstant.xmcd

The Great Pyramid located on the Giza Plateau has been a source of wonder and curiosity for many generations of explorers and even casual travelers to this day. In close examination, the dimensions of the pyramid contains multiple constants of nature and established quantum physics as this paper will develop in the mathematical analysis that follows. There is a fundamental ratio of the height of the pyramid to 1/2 its working base length that is equal to  $4/\pi$ . This is equal to the slope of rise from the center of the edge to the top.

While entering this important ratio into my pocket calculator a number popped out that was extremely close and slightly less the atomic fine structure alpha.

The below equation arrives at a number very close to the atomic fine structure constant  $\alpha$ .

$$\alpha_{\text{calc}} := \left[ \left[ \left[ \left( \frac{4}{\pi} \right)^4 \right] \left( \frac{4}{\pi} \right)^4 \right] \right]^{-1} = 7.291025430151457 \times 10^{-3} \quad 1)$$

The Established S.I. constant value is:  $\alpha = 7.29735308 \times 10^{-3}$

Error quotient where  $\alpha$  is divided by  $\alpha_{\text{calc}}$  is:

$$\frac{\alpha}{\alpha_{\text{calc}}} = 1.0008678683004417 \quad 2)$$

**The ratio is indeed close enough to unity to suggest further investigation. It can be shown that the fixed geometrical working (physical) length of one side of the pyramid can be established by the following equation.**

$$\text{Side}\lambda_a := 8 \cdot \lambda_{H1} \cdot \alpha^{-1} = 759.1331300453762 \cdot \text{ft} \quad 3)$$

Again, the above is a local space structural constant.

$$\text{Side}\lambda_b := \frac{\text{Vel}_{\text{air}}}{\left( \frac{4}{\pi} \right)^2 \cdot \text{Hz}} \quad \text{Side}\lambda_b = 759.1331300453762 \cdot \text{ft} \quad 4)$$

The above depends on the square of the slope of rise having the units of frequency.

Note that the square of the slope of rise having the unit of frequency is very important.

Define the following:  $\text{Side}\lambda := \text{Side}\lambda_b = 759.1331300453762 \cdot \text{ft}$  5)

**Now it is of interest to see what the length is of one side of the pyramid if the calculated alpha value of equation #1 above is used to find what is now considered to be both a combination of the quantum sum multiple of  $\lambda_{\text{HI}}$  and macroscopic physical length of one side of the pyramid.**

$$\text{Side}\lambda_{\text{calc}} := 8 \cdot \lambda_{\text{HI}} \cdot \left[ \left[ \left( \frac{4}{\pi} \right)^4 \right] \left( \frac{4}{\pi} \right)^4 \right] = 759.7919576247575 \cdot \text{ft} \quad 6)$$

The difference between the quantum length above and the physical local space length of one side of the pyramid as calculated above in equations #5 and #6 will be considered to represent a relativistic compressed and thus shortened version of  $\lambda_{\text{HI}}$ .

$$\text{Lr} := \text{Side}\lambda_{\text{calc}} - \text{Side}\lambda = 7.9059309525762025 \cdot \text{in} \quad 7)$$

The result is somewhat less than the wavelength of the hyperfine frequency of Hydrogen.

Using this assumed relativistic shortened version of  $\lambda_{\text{HI}}$ , we can solve for a velocity that may be of interest to this analysis.

Solving for relativistic speed  $v_r$  due to forced contraction of  $\lambda_{\text{HI}}$ , Mathcad's Symbolic Equation Solver is used below:

$$\left( \text{Lr} = L \cdot \sqrt{1 - \frac{v_r^2}{c^2}} \right) \quad \text{has solution(s)} \quad \left[ \begin{array}{c} \frac{c \cdot \sqrt{L + \text{Lr}} \cdot \sqrt{L - \text{Lr}}}{L} \\ - \left( \frac{c \cdot \sqrt{L + \text{Lr}} \cdot \sqrt{L - \text{Lr}}}{L} \right) \end{array} \right] \quad 8)$$

Statement: Working backwards from an assumed length contraction, the velocity that achieves the length contraction is solved for below. (The fact that the calculated atomic fine structure constant distance vs normal pyramid side distance is less than  $\lambda_{H1}$  is important.)

$$Lr = 7.9059309525762025 \cdot \text{in} \quad \text{Calculated relativistic contraction of } \lambda_{H1}.$$

$$vr := \frac{c_{vel} \cdot \sqrt{\lambda_{H1} + Lr} \cdot \sqrt{\lambda_{H1} - Lr}}{\lambda_{H1}} = 9.22923813266784 \times 10^7 \cdot \frac{\text{m}}{\text{s}} \quad 9)$$

Where:  $\frac{c_{vel}}{vr} \cdot \frac{1}{2} = 1.6241452094450446$  10)

**This is serendipitous since it was not expected at all. This is no less than amazing!**

Compare:  $\left(\frac{4}{\pi}\right)^2 = 1.6211389382774046$  11)

The length of the apothem compared to half of the base length of one side expressed as a ratio.

**This result forms the geometric interface between the local space and the quantum space pyramid geometry and then back to a relativistic local space. Using this (vr) velocity, we can use the special theory of relativity to calculate the expected mass of a particle created in and by the field. The quantum frequency of the hydrogen hyperfine wavelength can be calculated from its wavelength divided into the velocity of light. From that the energy can be determined by multiplying Planks constant by that hyperfine hydrogen frequency. Finally, armed with the energy and the relativistic velocity, the created apparent field mass can be calculated.**

Set:  $h := 6.626075500 \cdot 10^{-34} \cdot \text{J} \cdot \text{s}$  Planks Constant.

Then:  $f_{H1} := c_{vel} \cdot \lambda_{H1}^{-1} = 1.4204057509321417 \times 10^9 \cdot \text{Hz}$  12)

$$E_{H1} := h \cdot f_{H1} = 9.411715746310566 \times 10^{-25} \text{ J} \quad 13)$$

$$m_{vr} := E_{H1} \cdot (vr)^{-2} = 1.1049359362007682 \times 10^{-40} \text{ kg} \quad 14)$$

This is the individual quantum mass associated with the **relativistic phase velocity** of the Hydrogen fine structure constant field. It can be considered to be a created Boson particle. **The mass could possibly be associated with the very small mass of a neutrino.**

A much heavier particle can also be calculated based on the fact that the 'relativistic velocity' ( $v_r$ ) can be considered as a phase velocity and from that we can calculate a **local space group velocity**.

$$\text{Redefine: } v_{\text{phase}} := v_r = 9.22923813266784 \times 10^7 \cdot \frac{\text{m}}{\text{s}} \quad 15)$$

$$v_g := \text{Vel}_{\text{air}}^2 \cdot v_{\text{phase}}^{-1} = 1.5245456694540183 \times 10^{-3} \cdot \frac{\text{m}}{\text{s}} \quad 16)$$

Note that instead of the speed of light, the calculation is based on the 'cosmic acoustic velocity' ( $\text{Vel}_{\text{air}}$ ) which is fundamental to the boundary conditions inherent in the pyramid design.

Then solving for an *equivalent rest mass* related to the group velocity:

$$m_{\text{grpvel}} := E_{\text{H1}} \cdot (v_g)^{-2} = 4.0493743236843365 \times 10^{-19} \text{kg} \quad 17)$$

This is a huge mass for any particle and in this case a boson. However, since it is based on a very slow velocity  $v_g$ , squaring that velocity and multiplying that heavy boson equivalent 'rest' mass by that squared velocity, we arrive at the correct hyperfine energy of the hydrogen atom.

$$m_{\text{grpvel}} \cdot (v_g)^2 = 9.411715746310566 \times 10^{-25} \text{J} \quad 18)$$

A regular photon moves through other photons and ordinary electromagnetic fields without impediment and this should also happen, even for this newly predicted heavy boson. This could explain dark matter and even dark energy since the velocity is very low for this extremely heavy boson.

SEE: <https://en.wikipedia.org/wiki/Boson>

The graviton is predicted to be a spin-2 boson particle and bosons do not obey the Pauli exclusion principle but can mingle with other bosons freely without changing form or state. This may apply to the nature of dark matter and dark energy. The new particle calculated above would be invisible to detection by light since the interaction would be extremely small to nil. However, gravity would absolutely interact considering the equivalent rest mass in the particle. The slow velocity would also act as an 'anchor' point in space. This would cause curvature of the local space observational field as predicted by GRT. This is considered to be the effect and not the cause.

The number of parallel creations of mass will be determined by the power supplying the field which would come from the amount of Hydrogen atoms engaged in the mass creation process. This implies the existence of water or moisture in the process since water has two atoms of Hydrogen and one atom of Oxygen. Deuterium would be a possible source as well. Even free Hydrogen might supply the Hydrogen mass field creation. This mainly applies to the Grand Gallery and the Queen and King chambers in the Great Pyramid itself.

Again, the above results are totally dependant on the quantum working velocity of the air and even small changes have an extreme influence on the relativistic field outcome. This may explain why the pyramid appears to have experienced a powerful explosion of energy that caused the outer casing stones to be blown off the pyramid as well as shattered in the process. Air velocity is dependent on temperature and a sudden rise in temperature could have occurred.

A huge coherent amount of electrons spin-flipping in concert would create an extremely powerful Hyperfine Hydrogen energy field.

Now it is of interest to solve for a new **slightly adjusted ( $\alpha$ ) value** that will calculate the energy of the Higgs boson based on the beginning energy of the proton.

$$q_o := 1.602177330 \cdot 10^{-19} \cdot C \qquad m_p = 1.6726231 \times 10^{-27} \text{kg}$$

$$m_p \cdot c_{vel}^2 \cdot q_o^{-1} \cdot \alpha^{-1} = 1.253 \cdot 10^{11} \cdot V \qquad \text{has solution(s)} \qquad 19)$$

$$\frac{7.980845969672785 \times 10^{-12} \cdot c_{vel}^2 \cdot m_p}{V \cdot q_o} = 7.4882070265604845 \times 10^{-3} \qquad 20)$$

Let The adjusted Atomic Fine Structure Constant  $\alpha$  be set to:

$$\alpha 1 := 7.4882070265604845 \times 10^{-3} \qquad \alpha 1 \cdot \alpha^{-1} = 1.0261538594156232 \qquad 21)$$

$$m_p \cdot c_{vel}^2 \cdot q_o^{-1} = 9.382723404280288 \times 10^8 \text{ V} \qquad \text{Proton} \qquad 22)$$

$$m_p \cdot c_{vel}^2 \cdot q_o^{-1} \cdot \alpha 1^{-1} = 1.2530000000000001 \times 10^{11} \text{ V} \qquad \text{Higgs Boson} \qquad 23)$$

Forther:

$$m_p \cdot c_{vel}^2 \cdot q_o^{-1} \cdot \alpha l^{-2} = 1.6732977541294465 \times 10^{13} \text{ V} \quad \text{Unnamed Boson} \quad 24)$$

$$m_p \cdot c_{vel}^2 \cdot q_o^{-1} \cdot \alpha l^{-3} = 2.2345773136270153 \times 10^{15} \text{ V} \quad \text{Unnamed Boson} \quad 25)$$

$$\frac{m_p \cdot c_{vel}^2 \cdot q_o^{-1} \cdot \alpha l^{-4}}{\left(\frac{4}{\pi}\right)^4 \cdot \frac{1}{2}} = 2.2709473396129214 \times 10^{17} \text{ V} \quad \text{New Heavy Boson Calculated} \quad 26)$$

$$m_{grpvel} \cdot c_{vel}^2 \cdot q_o^{-1} = 2.271531419094037 \times 10^{17} \text{ V} \quad \text{See eq. #17 above} \quad 27)$$

Note that:  $\left(\frac{4}{\pi}\right)^4 \cdot \frac{1}{2} \cdot e = 3.5719466258165062$  Fundamental Proton Geometrical Constant 28)

See my paper "The Pyramid And The Proton" at:

[www.electrogravity.com/FundEGFreq/FundamentalEGFrequencies.pdf](http://www.electrogravity.com/FundEGFreq/FundamentalEGFrequencies.pdf)

Equation #39

This analysis implies that the Great Pyramid at Giza may have been designed to generate Cold Dark Matter as well as Dark Energy.

The internal design of the pyramid suggests to me waveguide action and this implies phase velocities as well as group velocities as used in the above calculations. The waveguide equations can easily be reworked to arrive at Einstein's Special Theory of relativity which also appears in the mathematical analysis above. Also, quantum particles' motion are expressed by a combination of phase and group velocities as well as complex math involving real and imaginary numbers, just like waveguide analysis. It appears to me that the non-local space entanglement has waveguide-like connections involving group and phase velocities where the group velocities are less than the speed of light and the non-local phase velocities are much greater than the velocity of light. It is the phase velocities that create the nearly instantaneous action at a distance through non-local space that is not based on relativistic local space. Further, the distance between the particles interacting nor the matter in between seems to matter for the time to entanglement involving effectively instantaneous action.



Define a new velocity that is increased by a correction factor involving the increase equal to unity plus ( $\alpha$ ) as shown below: The differential is equal to 8 times the hyperfine wavelength of Hydrogen which is the distance between the resonator slots in the Grand Gallery.

$$\text{vcf} := 1.00 + \alpha \qquad \Delta\text{Vel}_{\text{air}} := \text{Vel}_{\text{air}} \cdot \text{vcf} \qquad 29)$$

$$\Delta\text{Vel}_{\text{air}} = 1.2396408390117717 \times 10^3 \cdot \frac{\text{ft}}{\text{s}}$$

$$\text{Side}\lambda_{\text{b}} := \frac{\Delta\text{Vel}_{\text{air}}}{\left(\frac{4}{\pi}\right)^2 \cdot \text{Hz}} \qquad \text{Side}\lambda_{\text{b}} = 764.6727925300429 \cdot \text{ft} \qquad 30)$$

$$\Delta\lambda_{\text{Side}} := \text{Side}\lambda_{\text{b}} - \text{Side}\lambda_{\text{a}} = 5.539662484666708 \cdot \text{ft} \qquad 31)$$

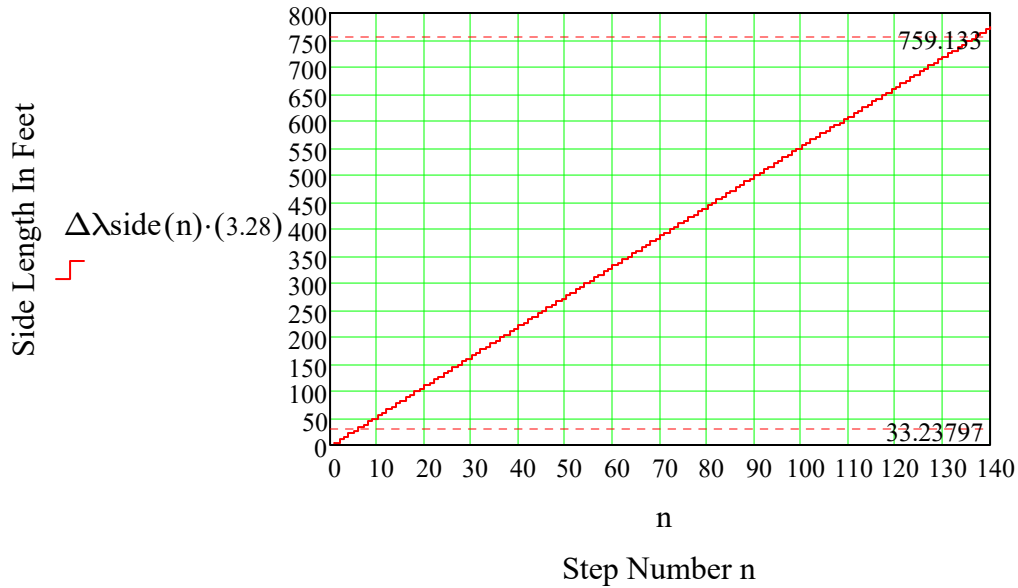
$$\lambda_{\text{H1}} \cdot 8 = 5.539662484666666 \cdot \text{ft} \qquad 32)$$

$n := 1, 2 \dots 140$       Examine a multiple increase of  $\lambda_{\text{H1}}$  to check for accuracy of result comparing  $\text{side}\lambda_{\text{a}}$  to the  $1+\alpha$  multiple of  $\lambda_{\text{H1}}$ .

$$\text{vcf}(n) := 1.00 + n \cdot \alpha \qquad \Delta\text{Vel}_{\text{air}}(n) := \text{Vel}_{\text{air}} \cdot \text{vcf}(n) \qquad 33)$$

$$\text{Side}\lambda_{\text{b}}(n) := \frac{\Delta\text{Vel}_{\text{air}}(n)}{\left(\frac{4}{\pi}\right)^2 \cdot \text{Hz}} \qquad 34)$$

$$\Delta\lambda_{\text{side}}(n) := \text{Side}\lambda_{\text{b}}(n) - \text{Side}\lambda_{\text{a}} \qquad 35)$$



$\Delta\lambda_{side}(n) =$

	0
0	5.539662484666708
1	11.079324969333324
2	16.618987454000127
3	22.15864993866674
4	27.69831242333336
5	33.23797490800007
6	38.777637392666776
7	44.31729987733348
8	49.856962362000004
9	55.39662484666662
10	60.93628733133333
11	66.47594981599994
12	72.01561230066656
13	77.55527478533337
14	83.09493726999997
15	...

·ft

$$\text{Side}\lambda_a = 759.1331300453762 \cdot \text{ft}$$

$$\frac{\text{Side}\lambda_a}{\Delta\lambda_{side}(137.0359895)} = 0.999999999513274 \quad 36)$$

Mathcad will calculate a manually inserted decimal step number that is not a whole number (n) step exactly.  
 RESULT: The agreement is extremely close to unity.

**Therefore, the dimensions of the pyramid's side lengths are also based on the atomic fine structure quantum constant ( $\alpha$ ) making the Great Pyramid of Giza an interface between the quantum and macroscopic. In essence, quantum physics and relativistic physics are united in the geometrical construct of the pyramid and thus is demonstrated the unification of Relativity and Quantum Mechanics fields in action.**

The universal quantum acoustic velocity  $Vel_{air}$  is fundamental to the construct and operation of the pyramid as the following equations will show. The proton rest mass works into the Heisenberg wavelength equation involving momentum as well as  $\Phi_{Gold}$ , the golden ratio.

$$\Phi_{Gold} := \left(\frac{4}{\pi}\right)^2 = 1.6211389382774046 \quad (37)$$

The quantum wavelength of the n1 level of the Bohr Hydrogen atom is calculated below related to the rest mass of the electron:

$$\lambda_{n1H1} := \frac{h}{m_e \cdot c_{vel} \cdot \alpha} = 3.3249187389036803 \times 10^{-10} \text{ m} \quad (\text{Correct SI Value}) \quad (38)$$

Now using the rest mass of the proton and the working acoustic velocity of the Great Pyramid of Giza in Egypt the wavelength is nearly the same as shown immediately below:

$$\lambda_{pVelair} := \frac{h}{m_p \cdot Vel_{air} \cdot 2 \cdot (\Phi_{Gold})} = 3.2572786414706525 \times 10^{-10} \text{ m} \quad (39)$$

Both of the wavelength calculations arrive at the wavelength of the n1 energy level of the Hydrogen atom.

$$\text{Ratio}_{\Delta\lambda} := \frac{\lambda_{n1H1}}{\lambda_{pVelair}} = 1.0207658308908103 \quad (\text{See eq. \#21 above.}) \quad (40)$$

**Note the close agreement with equation #21 ratio above. This suggests that the 'acoustic velocity' is fundamentally connected to the quantum construct of the universe as well as the Great Pyramid of Egypt and quite possibly the Higgs Boson.**

The working 'acoustic velocity' is likely fundamental throughout the universe, with or without air. In other words, it may apply to particles interacting via the quantum wave function  $\Psi$  in concert, even in a vacuum. The addition of air in the interaction may slow down the velocity to what is about 1129 feet per second that is measured at sea level on Earth.

On the next page, a shift to a period between 850 and 1150 AD in northwest New Mexico is taken to introduce a very interesting piece of pottery that I suspect has a design related directly to my research into building a working flying saucer.

**The Anasazi Connection**

Immediately below is a photo of an Anasazi ceramic bowl recently for sale on ebay.com.



The link is: <https://www.ebay.com/itm/202731082437>

The dimensions of the bowl are extremely interesting since they can be related to the quantum '*acoustic velocity*' of the *Great Pyramid* at Giza.

The diameter of the bowl top as well as the height and circumference are of prime interest:

$$\text{Dia}_{\text{bowl}} := 5.125 \cdot \text{in} \quad \text{H}_{\text{bowl}} := 2.75 \cdot \text{in}$$

$$\text{Cir} := \pi \cdot \text{Dia}_{\text{bowl}} = 16.10066234964769 \cdot \text{in}$$

$$\text{Long}_{\text{cubit}} := \text{Cir} \cdot \frac{4}{\pi} = 20.5 \cdot \text{in} \quad \text{Vel}_{\text{air}} \cdot \text{Long}_{\text{cubit}}^{-1} = 720.3865032895401 \cdot \text{Hz}$$

Dividing by 12 = 60 Hz!  $\text{Vel}_{\text{air}} \cdot \text{Long}_{\text{cubit}}^{-1} \cdot 12^{-1} = 60.03220860746167 \cdot \text{Hz}$

The ratio of the hydrogen fine structure wavelength  $\lambda_{\text{H1}}/\text{Dia}_{\text{bowl}}$  is shown to be extremely close to the Golden Ratio  $\Phi_{\text{gold}}$ :

$$\frac{\lambda_{\text{H1}}}{\text{Dia}_{\text{bowl}}} = 1.6213646296585367 \quad \text{where:} \quad \Phi_{\text{Gold}} = 1.6211389382774046 \quad 41)$$

The height is analyzed next:

$$\ln \left( \frac{\text{Dia}_{\text{bowl}}}{\text{H}_{\text{bowl}}} \right)^{-1} = 1.6063492861410533 \quad 42)$$

Not as close to the golden ratio but still close indeed. Add a few hundredths of an inch to the height and the result is nearly exact to the Golden Ratio. I suspect a very small error in the actual measurement. **(For example, 2.766 inch will be very close to exact.)**

The design inside of the bowl is of extreme interest. Assume the white traces as being conductive while the dark brown areas are insulating. Then notice that if the white ring encircling the outer edge were to become charged electrically with a high voltage and further that the center portion of the bowl were to suddenly have the opposite high voltage polarity, the geometric traces in between form a rotational interaction where currents would interact forming electric and magnetic swirling actions in the field. The result would be an outwards moving mass-field. (Refer to my online paper where creating a mass-field is essential to provide lift for a flying saucer as well as propulsion.)

<http://www.electrogravity.com/MassFieldGen/MassFieldGeneration.PDF>

I suspect that the Anasazi people in the Chaco Canyon were in very close contact with "aliens" and the bowl represents a copy of what the artisan saw on the surface of the "alien" craft.

**The following analysis presents the possible electrical action as I see it:** Starting from the conductive ring around the rim at the top of the bowl, it is suddenly charged to a high potential while there are nine immediately adjacent 'saw blades' having three teeth per segment and the points of the 'saw blades' point inwards so as not to arc to the rim while directing the current forming potential inwards. At the same time, a conductive ribbon carries current in a clockwise path forming a square spiral which is open ended. Directly across from that open end is another open ended spiral that will spiral counter-clockwise creating an opposite parallel current to the beginning spiral. The opposite currents are initiated by charge-field potential induction from the ends of the two intertwined spirals.

The current in the second spiral moves towards the center of the bowl in the opposite direction and in doing so, a large potential is formed in the sawtooth near the bowl center which has the opposite potential applied from that which was suddenly impressed to the upper ring. Again, the sawtooth induction strip is pointing the teeth away from the main potential in the bowls center to prevent arcing. There are seven identical interacting sets of spirals and two side by side spirals that look like double acting spirals since there are two half spirals per section in two complete side by side sections on the left of the bowl photo shown. I suspect that these special two sets form reflection surfaces to reflect and double the momentum for each field rotation. The overall design looks like series connected delay lines where a rotational charging occurs as one section influences the next in sequential fashion and that is controlled by the double section spirals on the left side of the bowl. A reflected field doubles its momentum with each cycle.

Opposite currents repel and the net inductance should cancel, all dimensions being the same. However, my own research indicates that there exists a rotational velocity equal to the square root of the atomic fine structure constant of meter per second units. Further, an alternating polarity A-vector and electric fields will create a cross product that remains in the same direction as the A-vector and electric fields reverse together. Two vectors 90 degrees to each other create a third 90 degree vector to the beginning two fields that always points the third vector in the same direction 90 degrees to the first two vectors regardless of the changing polarities of the first two vectors. (Changing the direction (polarity) two of the vectors in a three vector will not change the polarity of the third vector.) This is where the offset force comes from. Properly timed electric pulses at the outer rings will cause the mass-field to build by doubling with each rotation.

The A-Vector is in the direction of the current and interlocking spirals create opposite rotating A-Vectors that mesh together like rotating gears. In between the rotating vectors is created a magnetic tornado field motion that has a force vector pointing outwards from the surface of the bowl. Force is mass times acceleration so mass is part of the outwards moving rotating field. This may create *bolides* of force that could actually be harmful at close range.

**I personally experienced being near a saucer shaped craft that was building up its field during a take off and while running for my life I heard hissing sounds moving past me like fast spinning rocks being thrown at me. I was with others and they heard it also.**

Below are cross-product examples of how two 90 degree vectors can change sign and still create a third vector 90 degrees to them both that does not change sign which means the third vector does not change direction.

### Alternating High Potential Field Applied (As From A Tesla Coil Perhaps?)

#### A-Vector Field Potentials and Currents Positive:

$$\begin{pmatrix} 1 \cdot \frac{V \cdot s}{m} \\ 0 \cdot \frac{V \cdot s}{m} \\ 0 \cdot \frac{V \cdot s}{m} \end{pmatrix} \times \begin{pmatrix} 0 \cdot A \\ 1 \cdot A \\ 0 \cdot A \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \\ 1 \end{pmatrix} N \quad \text{Output Positive} \quad 43)$$

#### A-Vector Field Potentials and Currents Negative:

$$\begin{pmatrix} 1 \cdot \frac{-V \cdot s}{m} \\ 0 \cdot \frac{V \cdot s}{m} \\ 0 \cdot \frac{V \cdot s}{m} \end{pmatrix} \times \begin{pmatrix} 0 \cdot A \\ -1 \cdot A \\ 0 \cdot A \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \\ 1 \end{pmatrix} N \quad \text{Output Still Positive.} \quad 44)$$

The **A-Vector** magnetic potential is (volt\*seconds/meter) and the other 90 degree vector is in amps. The output (lift or propulsion) vector is in newtons and is always in the same direction.

The bowl could have another insulated conductive surface over the center conductive portion and this would form a capacitor. Then a conductive rod from the top of that capacitor to a conductive cover that is placed over the top of the bowl that is connected to the conductive ring that is around the rim of the bowl would form a resonant circuit. The reason this bowl is still intact may be because it was not used as a food bowl but served as an educational tool or example of how to build larger craft.

**Salient dimensional geometry of the Anasazi bowl mentioned herein:**

There are exact dimensional correlations of the Anasazi bowl to the Hydrogen fine structure wavelength, the biblical long cubit of the Christian bible as well as the Great Pyramid of Egypt on the Giza Plateau.

$$\frac{\lambda_{H1}}{\text{Dia}_{\text{bowl}}} = 1.6213646296585367 = \text{Golden Ratio } \Phi_{\text{Gold}} \quad (45)$$

$$\text{Cir}_{\text{bowl}} := \text{Dia}_{\text{bowl}} \cdot \pi = 16.10066234964769 \cdot \text{in} = \text{Bowl Circumference} \quad (46)$$

$$\sqrt{\frac{\lambda_{H1}}{\text{Dia}_{\text{bowl}}}} \cdot \text{Cir}_{\text{bowl}} = 20.50142693269108 \cdot \text{in} = \text{Pyramid and bible long cubit.} \quad (47)$$

where:

$$\sqrt{\frac{\lambda_{H1}}{\text{Dia}_{\text{bowl}}}} = 1.273328170448819 \quad \rightarrow \quad \frac{4}{\pi} = 1.2732395447351628 \quad (48)$$

Slope of Great Pyramid

Below: Divide inches by 12 and yield feet and then multiply by 12 again to express the same number of feet as the starting number was in inches. Then we end up very close to the Masonic "chain measurement" used to lay out Washington, D.C.

$$4 \cdot \lambda_{H1} = 33.237974908 \cdot \text{in} \quad (49)$$

$$4 \cdot \lambda_{H1} \cdot \left( \frac{12 \cdot \text{in}}{1 \cdot \text{ft}} \right) = 2.769831242333332 \cdot \text{ft} \quad \text{See eq. #3 above!} \quad (50)$$

$$12 \cdot \left[ 4 \cdot \lambda_{H1} \cdot \left( \frac{12 \cdot \text{in}}{1 \cdot \text{ft}} \right) \right] = 33.237974907999984 \cdot \text{ft} \quad (51)$$

Dividing by  $(1+\alpha)$  we end up with almost exactly the *Masonic* chain length of 33 feet.

$$\frac{12 \cdot \left[ 4 \cdot \lambda_{H1} \cdot \left( \frac{12 \cdot \text{in}}{1 \cdot \text{ft}} \right) \right]}{1 + \alpha} = 32.997182814358304 \cdot \text{ft} \quad \text{(Clever are the Masons!)} \quad (52)$$



**Field Mass Creation:**

$$Q := 1 \cdot C \quad Lth := 1 \cdot m \quad l_q := 1 \cdot m \quad \text{Let:} \quad n := 10 \quad i := 0, 1 \dots 10$$

As the area and charge change per unit increase as shown below it produces increasing inductance and mass:

$$Lind := \left( \frac{\text{henry}}{m} \cdot \frac{1}{l_q} \right) \cdot Lth^2 \quad \text{The initial inductance is:} \quad Lind = 1 \text{ H} \quad 53)$$

$$Mass := \left( \frac{\text{henry}}{m} \cdot \frac{1}{l_q} \right) \cdot Q^2 \quad \text{The field mass generated is:} \quad Mass = 1 \text{ kg} \quad 54)$$

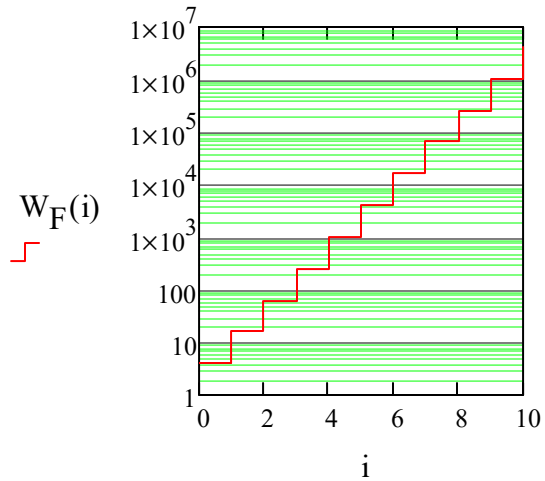
$$LInd(i) := \frac{d^2}{dQ^2} \left[ \left( \frac{\text{henry}}{m} \cdot \frac{1}{l_q} \right) \cdot (Q^2 \cdot Lth^2) \cdot 2^i \right] \quad \text{The product of the inductance and mass quickly creates a large product result by iteration.} \quad 55)$$

$$Mass(i) := \frac{d^2}{dLth^2} \left[ \left( \frac{\text{henry}}{m} \cdot \frac{1}{l_q} \right) \cdot (Q^2 \cdot Lth^2) \cdot 2^i \right] \quad 56)$$

$$W_F(i) =$$

$$W_F(i) := LInd(i) \cdot Mass(i)$$

	0	·H·kg
0	4	
1	16	
2	64	
3	256	
4	1.024·10 <sup>3</sup>	
5	4.096·10 <sup>3</sup>	
6	1.6384·10 <sup>4</sup>	
7	6.5536·10 <sup>4</sup>	
8	2.62144·10 <sup>5</sup>	
9	1.048576·10 <sup>6</sup>	
10	4.194304·10 <sup>6</sup>	



If the beginning charge Q is set to 1.602\*10<sup>-19</sup> coulombs instead of 1 coulomb, even with such a small charge in the beginning, after 68 revolution of the increasing mass field the result is in the vicinity of 1000 times unity.

The mass portion of the field could be moved in an arc over the upper surface of the craft to create centrifugal force that in turn would create lift. There is a link below that shows one of three UFO's leaving Earth as a close up and the pulsating field rotation creating lift can be seen in action.

<https://www.youtube.com/watch?v=SV9sy3Ccy34>

This is the type of action that I am describing for the Anasazi bowl diagram discussed above.

The Anasazi supposedly built by themselves huge structures precisely aligned with the Cardinal points of the compass and hotel like structures of up to 600 rooms and four stories high. However, there were far too few people to accomplish the construction in multiple sites within Chaco Canyon. There is also an '*astronomical observatory*' built on the top of a butte that is extremely accurate. Three references I have obtained are presented below:

**Anasazi of Chaco Canyon by Kyle Widner (Paperback)**

[http://www.amazon.com/Anasazi-Chaco-Canyon-Greatest-Southwest/dp/0692740023/ref=pd\\_rhf\\_se\\_p\\_img\\_8?encoding=UTF8&psc=1&refRID=EB8V9ABNBS7X0NW9GBSB](http://www.amazon.com/Anasazi-Chaco-Canyon-Greatest-Southwest/dp/0692740023/ref=pd_rhf_se_p_img_8?encoding=UTF8&psc=1&refRID=EB8V9ABNBS7X0NW9GBSB)

**The Mystery of Chaco Canyon Narrated by Robert Redford, Bullfrog Films (DVD)**

[http://www.amazon.com/Mystery-Chaco-Canyon-Eric-Temple/dp/B000VHV6SW/ref=pd\\_rhf\\_se\\_p\\_img\\_6?encoding=UTF8&psc=1&refRID=69PB2GEZD7MZ4AEMM97S](http://www.amazon.com/Mystery-Chaco-Canyon-Eric-Temple/dp/B000VHV6SW/ref=pd_rhf_se_p_img_6?encoding=UTF8&psc=1&refRID=69PB2GEZD7MZ4AEMM97S)

**Anasazi of Chaco Canyon, Mac & PC Game, Explore Chaco Canyon As It Was:**

[http://www.amazon.com/Anasazi-Chaco-Canyon-Simulation-Game-Mac/dp/B078GCN37N/ref=pd\\_rhf\\_se\\_p\\_img\\_9?encoding=UTF8&psc=1&refRID=SYOZE9XFMKX4JKPCV935](http://www.amazon.com/Anasazi-Chaco-Canyon-Simulation-Game-Mac/dp/B078GCN37N/ref=pd_rhf_se_p_img_9?encoding=UTF8&psc=1&refRID=SYOZE9XFMKX4JKPCV935)

The PC Game is fun and very informative but is somewhat expensive at \$47.00. However, the finished game reveals the various sites in detail and the Sun Dagger portion allows you to set the times and dates and watch as the sun dagger precisely predicts the equinoxes as well as the 18.6 year moon standstill cycle. This is what I called "the astronomical observatory" above.

**The physical dimensions of the Anasazi bowl above serve as a precise model for connecting the dimensions of the Great Pyramid of Giza to to the Hydrogen hyperfine frequency as well as the atomic fine structure constant alpha and the Golden Ratio!** It also provides the diagram for creating a ponder-motive mass field. Unfortunately, this bowl was recently advertised on Amazon.com for a \$1600.00 purchase price and then sold for an unknown amount. We may not see it again. It is possibly one of only a few such bowls that have escaped destruction.

In my online work, "[Electrogravitation As A Unified Field Theory](#)", a least quantum velocity was established based on the square root of the atomic fine structure constant  $\alpha$  in meter per second units. Further, from this, the electrogravitational quantum constants under the title "[Electrogravitational Calculated Quantum Constants](#)" above page 1 of this paper were also established.

It turns out that what I am calling  $Vel_{air}$  is higher than the known acoustic speed of sound in air at 21 degrees Celsius at sea level by approximately 102 feet per second. I am using what I call the Great Pyramid at Giza in Egypt working air velocity but should actually be considered a **universal quantum interaction working velocity**..

The difference between the sea level **universal quantum air interaction working velocity of the Great Pyramid** and ordinary air velocity at sea level yields both the fundamental electrogravitational frequency  $f_{LM}$  and 1/2 the 60 Hz wavelength related to  $Vel_{air}$  exactly. The following online reference for the measured acoustic speed of sound is:

[https://www.sciencedaily.com/terms/speed\\_of\\_sound.htm](https://www.sciencedaily.com/terms/speed_of_sound.htm)

First, the wavelength related to 60 Hz and the working quantum velocity of the pyramid:

$$\lambda_{60\text{Hz}} := \frac{6 \cdot 8 \cdot \lambda_{H1}}{\left(\frac{4}{\pi}\right)^2} = 20.5028539647059 \cdot \text{ft} \quad \text{Notice that the hyperfine wavelength of the H1 atom is also part of the calculation!} \quad 57)$$

$$f_{60\text{Hz}} := Vel_{air} \cdot \lambda_{60\text{Hz}}^{-1} = 60.02385221937649 \cdot \text{Hz} \quad 58)$$

$$\Delta\text{AirSpeed} := \left( \frac{\lambda_{60\text{Hz}} \cdot f_{LM}}{2} \right) = 102.84485835342777 \cdot \frac{\text{ft}}{\text{s}} \quad 59)$$

Finally, the actual air speed at sea level is calculated as:

$$\text{Air}_{\text{speed}} := Vel_{air} - \Delta\text{AirSpeed} = 1.1278154180995363 \times 10^3 \cdot \frac{\text{ft}}{\text{s}} \quad 60)$$

The reference above gives: 1128.609 ft/s. converted from 344 m/s.

**Then what I am calling the working air velocity of the pyramid is connected to the ordinary air speed by being affected by the electrogravitational frequency  $f_{LM}$  and the 60 Hz wavelength related to the hyperfine frequency of the H1 atom.**

In my theory of "**Electrogravitation As A Unified Field Theory**", there exists a fundamental quantum velocity  $v_{LM}$  equal to the square root of the atomic fine structure  $\alpha$  in m/s units SI.

This is fundamental as it also appears in all of the related force equations, **strong, weak, electric, magnetic and gravitational**. Notice that there are five distinct forces instead of four where the forces electric and magnetic are separated out of the so called electromagnetic force. The use of the so called '*electromagnetic force*' in contemporary physics is likely used to enforce the idea that all forces are related directly to the limiting speed of light since electromagnetic waves travel at the speed of light in open space. This is for the sake of putting all of the forces within the confines of relativity. However, taken separately from the electromagnetic case, the electric and magnetic fields have no velocity limitation when considered as forces acting without changing time. This by reason that the electrogravitational action is instantaneous. Thus, quantum electrogravitation is born. Electrogravitation is non-local and quantum in its action and the reaction is in local relativistic space which also insures that **Newton's Third Law** still applies in both spaces as a complete law.

**Electrogravitational theory is a unified field theory as a result of the above description.**

$$v_{LM} := \sqrt{\alpha} \cdot \frac{m}{s} = 0.08542454612112375 \frac{m}{s} \quad (61)$$

$$v_{LM\alpha calc} := \sqrt{\alpha_{calc}} \cdot \frac{m}{s} = 0.08538750160387325 \frac{m}{s} \quad \text{Where also:} \quad (62)$$

$$v_{rLM} := \left( \frac{v_{LM} \cdot \sqrt{\lambda_{H1} + Lr} \cdot \sqrt{\lambda_{H1} - Lr}}{\lambda_{H1}} \right) = 0.02629830929659071 \cdot \frac{m}{s} \quad (63)$$

The above  $v_{rLM}$  times two times the Golden Ratio equals the  $v_{LM}$  in the initial statement.

$$v_{rLM\Phi} := v_{rLM} \cdot \left[ \left( \frac{4}{\pi} \right)^2 \cdot 2 \right] = 0.08526642642313173 \cdot \frac{m}{s} \quad (64)$$

$$f_{LM} := v_{LM} \cdot \lambda_{LM}^{-1} = 10.032248050000002 \cdot \text{Hz} \quad \text{Electrogravitational Frequency} \quad (65)$$

Where also:

$$f_{LMGold} := \left( \frac{4}{\pi} \right)^2 \cdot \text{Hz} \cdot \left( \frac{4}{\pi} \right)^2 \cdot \text{Hz} \cdot \frac{12}{\pi} \cdot \text{sec} = 10.038569911460005 \cdot \text{Hz} \quad (66)$$

The Golden Ratio  $\Phi_{Gold}$  in Hz units squared times  $(12/\pi)$  sec. is also extremely close to  $f_{LM}$ .

Let Us Return To The Dimensions OF The Bowl And Its Connection To The Universe:

**ITS ALL ABOUT THE NUMBER [12] AS IN THE CHRISTIAN BIBLE!**

The King's Chamber long cubit calculated by Newton is compared to the Anasazi Bowl:

$$\left[ \text{Dia}_{\text{bowl}} \cdot (1 + \alpha) \cdot \pi \cdot \left( \frac{12 \cdot \text{in}}{\text{ft}} \right) \right] \cdot \left( \frac{4}{\pi} \right) = 20.649595738139997 \cdot \text{in} \quad 67)$$

$$\left[ \text{Dia}_{\text{bowl}} \cdot (1 + \alpha) \cdot \pi \cdot \left( \frac{12 \cdot \text{in}}{\text{ft}} \right) \right] \cdot \left( \frac{4}{\pi} \right) \cdot 12 = 20.649595738139993 \cdot \text{ft} \quad 68)$$

Cosmic refresh rate of the universe that we perceive as reality:

$$\frac{\text{Vel}_{\text{air}}}{\left[ \left[ \text{Dia}_{\text{bowl}} \cdot (1 + \alpha) \cdot \pi \cdot \left( \frac{12 \cdot \text{in}}{\text{ft}} \right) \right] \cdot \left( \frac{4}{\pi} \right) \cdot 12 \right]} = 59.59730602279652 \cdot \text{Hz} \quad 69)$$

And without the alpha correction:

$$\frac{\text{Vel}_{\text{air}}}{\left[ \left[ \text{Dia}_{\text{bowl}} \cdot (1) \cdot \pi \cdot \left( \frac{12 \cdot \text{in}}{\text{ft}} \right) \right] \cdot \left( \frac{4}{\pi} \right) \cdot 12 \right]} = 60.03220860746168 \cdot \text{Hz} \quad 70)$$

Scaling up by the Golden Ratio ( $4/\pi$ ) squared and using the alpha correction factor:

$$\left[ \text{Dia}_{\text{bowl}} \cdot (1 + \alpha) \cdot \pi \cdot \left( \frac{12 \cdot \text{in}}{\text{ft}} \right) \right] \cdot \left( \frac{4}{\pi} \right) \cdot 12 \cdot \left( \frac{4}{\pi} \right)^2 = 33.47586371078589 \cdot \text{ft} \quad 71)$$

The Masonic Washington D.C. land measuring chain length:

$$\left[ \text{Dia}_{\text{bowl}} \cdot \left( \frac{1}{1 + \alpha} \right) \cdot \pi \cdot \left( \frac{12 \cdot \text{in}}{\text{ft}} \right) \right] \cdot \left( \frac{4}{\pi} \right) \cdot 12 \cdot \left( \frac{4}{\pi} \right)^2 = 32.99258965892208 \cdot \text{ft} \quad 72)$$

Numerical portion(s) may be expressed either in inches or feet without error.

Without the alpha correction factor the length result is:

$$\left[ \text{Dia}_{\text{bowl}} \cdot \left(\frac{1}{1}\right) \cdot \pi \cdot \left(\frac{12 \cdot \text{in}}{\text{ft}}\right) \right] \cdot \left(\frac{4}{\pi}\right) \cdot 12 \cdot \left(\frac{4}{\pi}\right)^2 = 33.23334823468679 \cdot \text{ft} \quad 73)$$

Finally, the ratio of the length immediately above to the wavelength of the Hyperfine Frequency of the H1 atom is:

$$\frac{\left[ \text{Dia}_{\text{bowl}} \cdot \left(\frac{1}{1}\right) \cdot \pi \cdot \left(\frac{12 \cdot \text{in}}{\text{ft}}\right) \right] \cdot \left(\frac{4}{\pi}\right) \cdot 12 \cdot \left(\frac{4}{\pi}\right)^2}{\lambda_{\text{H1}}} = 47.99331847624144 \quad \boxed{=48} \quad 74)$$

The frequency without the alpha correction factor and the square of the Golden Ratio :

$$\frac{\text{Vel}_{\text{air}}}{\left[ \left[ \text{Dia}_{\text{bowl}} \cdot \left(\frac{1}{1}\right) \cdot \pi \cdot \left(\frac{12 \cdot \text{in}}{\text{ft}}\right) \right] \cdot \left(\frac{4}{\pi}\right) \cdot 12 \right]} = 60.03220860746168 \cdot \text{Hz} \quad 75)$$

Where:

$$\left[ \left[ \text{Dia}_{\text{bowl}} \cdot \left(\frac{1}{1}\right) \cdot \pi \cdot \left(\frac{12 \cdot \text{in}}{\text{ft}}\right) \right] \cdot \left(\frac{4}{\pi}\right) \cdot 12 \right] = 20.499999999999993 \cdot \text{ft} \quad 76)$$

Longcubit := 20.5 · in

$$\frac{\left[ \left[ \text{Dia}_{\text{bowl}} \cdot \left(\frac{1}{1}\right) \cdot \pi \cdot \left(\frac{12 \cdot \text{in}}{\text{ft}}\right) \right] \cdot \left(\frac{4}{\pi}\right) \cdot 12 \right]}{\text{Longcubit}} = 11.999999999999998 \quad \boxed{=12} \quad 77)$$

**Not bad for supposedly 'ignorant desert dwellers' who had no knowledge of electromagnetic waves or atomic quantum wavelengths and frequency.**

$$f_{G\lambda_{LM}} := \frac{\alpha \cdot c_{vel}}{\lambda_{LM}} = 2.569222073307028 \times 10^8 \cdot \text{Hz} \quad \text{Electrogravitational H1 n1 frequency related to the n1 velocity divided by quantum } \lambda_{LM}. \quad 78)$$

$$\text{Dia}_{\text{bowl}} \cdot (1 + \alpha) \cdot \pi = 16.21815456763493 \cdot \text{in} \quad \text{Circumference wavelength.} \quad 79)$$

**Multiply by 12 inches/foot to find feet equal to above inches and then multiply by 12 to give number equal numerically to inches.**

$$\text{Dia}_{\text{bowl}} \cdot (1 + \alpha) \cdot \pi \cdot \left( \frac{12 \cdot \text{in}}{\text{ft}} \right) = 1.3515128806362438 \cdot \text{ft} \quad 80)$$

$$\text{Dia}_{\text{bowl}} \cdot \left( \frac{12 \cdot \text{in}}{\text{ft}} \right) \cdot (1 + \alpha) \cdot \pi \cdot 12 = 16.218154567634926 \cdot \text{ft} \quad \text{UFO Test Saucer size} \quad 81)$$

$$\frac{c_{vel}}{\text{Dia}_{\text{bowl}} \cdot \left( \frac{12 \cdot \text{in}}{\text{ft}} \right) \cdot (1 + \alpha) \cdot \pi \cdot 12} = 6.0646299326389945 \times 10^7 \cdot \text{Hz} \quad 82)$$

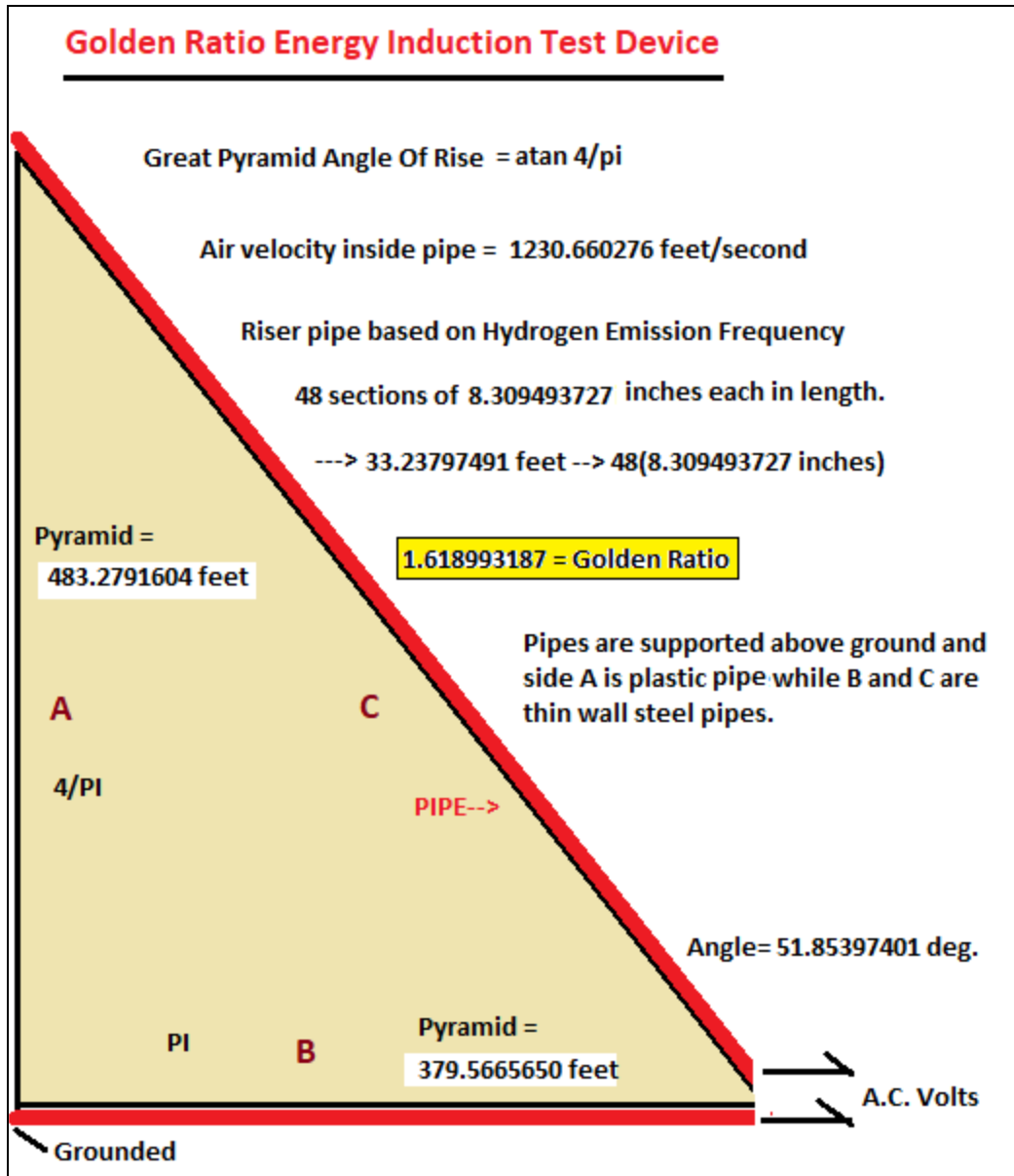
$$f_{G\lambda_{LM}} \cdot \left[ \frac{c_{vel}}{\text{Dia}_{\text{bowl}} \cdot \left( \frac{12 \cdot \text{in}}{\text{ft}} \right) \cdot (1 + \alpha) \cdot \pi \cdot 12} \right]^{-1} = 4.23640370780059 \quad 83)$$

$$\frac{f_{G\lambda_{LM}} \cdot \left[ \frac{c_{vel}}{\text{Dia}_{\text{bowl}} \cdot \left( \frac{12 \cdot \text{in}}{\text{ft}} \right) \cdot (1 + \alpha) \cdot \pi \cdot 12} \right]^{-1}}{\left( \frac{4}{\pi} \right)^2 \cdot \left( \frac{4}{\pi} \right)^2 \cdot \left( \frac{4}{\pi} \right)^2} = 0.9943439317143155 \quad 84)$$

**The diameter of the Anasazi bowl is connected to the n1 energy level of Hydrogen AND the quantum electrogravitational wavelength  $\lambda_{LM}$ . Also notice the three (cubic) dimensions of the Golden Ratio  $\Phi_{\text{gold}}$**







The above dimensions will be altered so that section B will be set to  $3/4$  of the 60 Hz wavelength or a number exactly equal to  $5.125 * \pi$  expressed as feet instead of inches such as for the diameter of the Anasazi Bowl above. Then the section C will be  $4/\pi$  greater at 20.5 feet which is a full wavelength at 60 Hz. Since the left side of section B is grounded, a  $3/4$  wave will appear on the right side in opposite phase to the high voltage appearing at the bottom of section C.

The diagram on page 23 previous is a proposed test for drawing the 'refresh' 60Hz field energy from the universe. It is based on an event wherein I was almost electrocuted while erecting a quarter-wave vertical "V" 20 meter ham radio antenna. The mast shot out a white electrical arc from the base of the mast to the metal edge of the roof I was standing on and it was intense enough to generate a large quantity of ozone.

The roof was flat and coated with hard asphalt/tar while the mast was not connected to anything except for me who was holding the mast up horizontally with hands covered with rubber gloves. I selected the gloves by sheer luck as I was only wearing them because the mast was hot from laying in the mid-day sun in the summertime. The metal rim around the roof was grounded and when the mast end came down and banged on the metal rim of the roof, white electrical fire erupted from the mast when it recoiled back into the air. The further into the air the mast went, the longer and more intense became the arc so I forced the mast into the metal roof edging and then slid the mast over the side onto the ground below.

I have previously posited that there is a universal refresh energy that affects our space time and it is slightly above the common power line frequency. All of our video information is synched to 60 Hz and our eyes even 'see' at that rate. There may be other realities apart from our own where the refresh rate is different than 60 Hz and I call this a different 'time slice' in a universe of perhaps an infinite number of time slices.

I referred previously to the concept of delay line action as applied to the design on the inside of the Anasazi bowl above on page 10. It may be possible to consider the delay line design as having a variable time delay parameter wherein the refresh synchronizing pulse is adjusted time-wise to refresh the reflecting pulse arriving at the two reflection sections to boost the momentum of the force-potential and thus the doubling strength of the generated mass-field.

Careful inspection of the bowl design reveals that opposing field action may affect the time of the current rotation in each of the counter wound spirals according to how much current is flowing. It is also noted that two of the spiral segments out of the nine are opposite in the action entirely since they are oppositely connected current-wise and also are double sets of spirals instead of singly spirals as for the other seven. I suspect the two opposite acting spirals perform the duty of reflecting like a mirror the signal pulse arriving from the delay line spirals and thus effectively doubles the potential at the point of reflection. This is exactly like the process in a regular delay line that is open-ended such as for an oscilloscope delay line connected to a cathode ray tube's deflection plates. It also works in the same manner for open ended transmission lines. The doubling of potential is the same as doubling the momentum. Theoretically, a pulse of electromagnetic voltage could be multiplied by reflecting alternately between two open transmission line ends until a breakdown occurred by arcing into a short.

Then also, a case may be made for the idea of the bowl design may be able to alter time in the manner of relativistic action and thus changing the refresh rate would allow for the bowl to slip out of our normal time slice into another and even to slip into a different time in the manner of a time machine and disappear.

**The Anazazi Bowl As A Teleporting Time Machine**

$$\Delta n := 1, 2 \dots 10 \quad Q = 1 \text{ C} \quad s = 1 \text{ s} \quad V = 1 \text{ V}$$

$$1 \cdot \text{volt} \cdot \text{sec} = 1 \text{ Wb} \quad \text{where,} \quad \frac{1 \text{ Wb}}{1 \cdot \text{A}} = 1 \text{ H} \quad 91)$$

$$\Delta H(\Delta n) := \frac{1 \text{ V} \cdot (\Delta n \cdot \text{s})}{1 \cdot \left( \frac{Q}{\Delta n \cdot \text{s}} \right)} \quad t(\Delta n) := 1 \cdot \text{s} \cdot (\Delta n) \quad 92)$$

$\Delta H(\Delta n) =$

1
4
9
16
25
36
49
64
81
100

H

$t(\Delta n) =$

1
2
3
4
5
6
7
8
9
10

s

Note that the standard coil formula for inductance in Henrys has the magnetic permeability times the number of turns squared times the diameter squared divided by the coil length. Then the math above explains why this is so. The correct view concerning the number of turns is actually the time involved for a complete circle of current and thus the inductance is related to time squared and that time is relativistic as was pointed out on the bottom of page 24 above.

Suppose two such identical bowls were constructed and some article was placed into one of the bowls, say bowl A. It may be possible to transport the item in bowl A to bowl B if both bowls synchronously 'slip' out of our normal time by relativistic time change and thus the two bowls would have an entangled state of being apart from ordinary local space: Thus, quantum entanglement. When Bowl A is shut down, the item would appear in bowl B. It occurred to me the fantastic idea that our Anasazi Indians could have been time travelers as well as teleporters. If so they would undoubtedly have had a lot of help. Of course the 'bowls' would likely have been 16.1 feet in circumference for human size transport instead of 16.1 inches.

Again, the bowl dimensions are directly related to the frequencies and geometric dimensions of the Great Pyramid of Giza especially as far as the 60 Hz refresh parameter is concerned. The top frequency is very close to 720 Hz which is equal to the dimensional width of the topmost corbelled section of the Grand Gallery which is one **long cubit**, or 20.5 inches. This relates to the Anasazi bowl circumference as shown below.

$$f_{\text{topGal}} := \frac{V_{\text{elair}}}{\text{Dia}_{\text{bowl}} \cdot \pi \cdot \left(\frac{4}{\pi}\right)} \quad f_{\text{topGal}} = 720.3865032895401 \cdot \text{Hz} \quad 93)$$

$$\frac{f_{\text{topGal}}}{\left(\frac{4}{\pi}\right)^2} = 444.37061270948857 \cdot \text{Hz} \quad \begin{array}{l} \text{This is the main operating frequency of} \\ \text{the King's Chamber and the Grand Gallery} \\ \text{of the Great Pyramid of Giza.} \end{array} \quad 94)$$

$$\frac{f_{\text{topGal}}}{\left(\frac{4}{\pi}\right)^2 \cdot 2 \cdot \left(\frac{4}{\pi}\right)^2} = 137.0550673410107 \cdot \text{Hz} \quad \begin{array}{l} \text{This is the inverse of the atomic fine} \\ \text{structure constant expressed in units} \\ \text{of frequency in Hz.} \end{array} \quad 95)$$

$$\frac{f_{\text{topGal}}}{\left(\frac{4}{\pi}\right)^2 \cdot 2 \cdot \left(\frac{4}{\pi}\right)^2} \cdot \alpha = 1.000139217790532 \cdot \text{Hz} \quad \begin{array}{l} \text{Multiply the above result by the} \\ \text{atomic fine structure constant} \\ \text{and a frequency very near one Hz} \\ \text{is arrived at.} \end{array} \quad 96)$$

Finally, dividing the top gallery frequency by 12 we arrive at the universal cosmic refresh frequency very close to power line frequency of 60 Hz.

$$\frac{f_{\text{topGal}}}{12} = 60.032208607461676 \cdot \text{Hz} \quad 97)$$

Thus is established the interdependent connection between the physical dimensions of the Anasazi bowl above and the Great Pyramid of Giza to the fundamental cosmic refresh frequency that is just above and extremely close to 60 Hz. I once asked a 150 Megawatt power plant operator what would happen if the generator "slipped" poles and he responded, "all hell would break loose." (Our time-space is infinitely much larger.)

### **The Anasazi Bowl As A Flying Saucer**

On page 25 previous, the idea of items placed into the Anasazi bowl being affected by the field created within the bowl was used to suggest teleportation to a like constructed bowl of the exact same dimensions and synchronized field generating delay/time shifting design.

If the time delay/time shifting design were placed on the outside of the bowl and the bowl was the upper portion of a saucer shaped craft, a circulating mass field could be generated. This would be a method of generating a lifting force field via centrifugal force since the field could be turned off or on at a desired point in the circulation. Imagine a mass that is in circular motion that could be made to disappear and re-appear at a given instant along the circular route without affecting the rotational momentum. This would be an ideal way of generating a force offset for lifting and/or propulsion and theoretically have no limit to the amount of force. The amount of force being dependant on the velocity of the circular motion as well as the amount of mass generated in the craft connected field.

This concept could also be a very powerful weapon. Imagine a balanced circulating field of immense magnitude suddenly released towards a target point where the mass would impact with great force. This would smash the target and I am reminded of the Mars landscape as shown on YouTube where large stone structures and statues look as though they were blown apart and/or smashed with great impact forces. It looks as though the destruction was planet wide and is eerie and very sad to see. Maybe the planet is red because of the amount of blood that was released, much like a gigantic wine-pressing to yield humanoid and animal blood. Earthlings would be no match for this kind of warfare. I am reminded of Soviet military aircraft rising to meet a UFO in Russia and hitting some kind of invisible wall of force that destroyed them completely.

Having onboard armament would be redundant since the field around the UFO is both a shield and a projected weapon as well as a propulsion and lifting force field. This makes the method of field creation quantum in its nature. Everything inside of the field is in quantum space where time stands still and inertial forces are totally absent. Then the craft could be observed by someone outside of the field to instantly disappear and reappear or change direction and speed instantly. To the occupants inside of the UFO it would be the outside local space scene that is changing position and taking time to move around and inside the UFO, they would feel as though they were not moving at all.

This may explain why humans have not went back to the Moon since Apollo 17. At least according to the public record.

Again, I see the Anasazi bowl above as a model used possibly to teach the dynamics of larger craft that may have visited the Anasazi on a regular basis and the times were carefully calculated based on the extremely accurate astronomical observatory on the butte near Chaco Canyon. What did the saucer beings want? Possibly pure enough DNA and stem cells. Hence the isolation of the Anasazi much as for Moses and the Exodus tribe of the Jewish nation.

The following figure is a picture of a recent constructed copy of the Anasazi bowl.



### **The Inside Of The Bowl Time Machine And Teleportation?**

The above figure on page 28 previous shows the delay line dual reflection sections in the top center of the picture. A study of the spiral direction in the two center reflection sections reveals that they are counter wound compared to the seven other sections in the delay line construct. This would allow for potential arriving from both ends of the seven segment delay line to be reflected as if hitting an open end of the line. In doing so, the signal potential would double in amplitude at each end much as a photon would double its momentum when hitting a perfect mirror. This would happen over and over as the signal potential bounded and rebounded ad-infinitum. Of course this would not be perfect due to resistive and radiative losses but it would be a significant boost to the signal potential initially.

The signal potential not only represents a quantum action involving quantum mass-field generation but the action of relativistic time change to cause displacement through time and space for whatever is in the bowl. Thus the inside of the bowl can be regarded as a possible time machine location that could work in synchronization with an identical bowl at an arbitrary point in the cosmos. I can picture (in my mind) Anasazi sitting in circular fashion around the central portion of the Kiva structures where a bowl 16.1 feet in circumference was placed. There, watching fellow Anasazi or other beings arriving and leaving at exact times set by the cosmological times observed by the sun dagger and moon shadows of the observatory on Fajada Butte they would worship the beings who made the 'magic' possible. They might even be told by the 'beings' that "*chosen* Anasazi were going to go to a wonderful heavenly place". This might be applied to all of the races of people who suddenly vanished in a short span of time and who were at a high stage of development that cannot be explained by the technology of today. I am reminded of that famous Twilight Zone episode where it was discovered too late that the aliens had a book titled "**How To Serve Man**" and it was a cookbook.

### **The Outside Of The Bowl Lift And Propulsion?**

If the inside design of the delay line structure is placed on the outside of the bowl it may create a circulating offset mass field that could create lift and propulsion in quantum fashion. Further, changing the refresh or frequency of the mass creating field source the craft could be made to disappear from our local space and reside in between the time slices of reality that constitute the 'parallel creations of the universe. Then not only could the bowl be a time machine but a way of instantly moving into and out of our local space. It would be possible to make 90 degree turns while appearing to be moving at speeds of thousands of miles per hour. Further, the projection of the mass field towards a target would allow for destroying incoming threats and the circulating mass field would also allow for a hard shield to be constructed around the bowl (UFO) that would disintegrate anything trying to get through from the outside. All beings inside of this type of craft would have instant communication with all other beings in similar craft. The inside of the bowl is quantum separated from local space and inertia is not a factor since time is the same everywhere and effectively zero involving action. As for the case for electrogravitation, action is non local and instantaneous while it is the reaction that is local for local space matter and inertia is a factor.

The following equations set forth the mechanics of how the **force field** is constructed and is a cross-product involving the derivative of the magnetic vector potential with respect to time cross-multiplied with the definite integral of the the ampere unit with respect to time.

<b>A-Vector</b>	<b>E</b>	<b>Amp</b>	<b>Q</b>
$\frac{d}{ds} \left( \frac{1 \cdot V \cdot s}{m} \right) = 1 \cdot \frac{V}{m} \quad \text{And:} \quad \int_{\frac{1}{e} \cdot s}^{1 \cdot s} \frac{1 \cdot \text{coul}}{s} ds = 1.0000000000000002 \text{ C} \quad 98)$			

Where:

$$\left[ \frac{d}{ds} \left( \frac{1 \cdot V \cdot s}{m} \right) \right] \cdot \left( \int_{\frac{1}{e} \cdot s}^{1 \cdot s} \frac{1 \cdot \text{coul}}{s} ds \right) = 1.0000000000000002 \text{ N} \quad 99)$$

$\left[ \begin{array}{c} \frac{d}{ds} \left( \frac{1 \cdot V \cdot s}{m} \right) \\ \frac{d}{ds} \left( \frac{1 \cdot V \cdot s}{m} \right) \\ \frac{d}{ds} \left( \frac{0 \cdot V \cdot s}{m} \right) \end{array} \right] \times \left( \begin{array}{c} \int_{\frac{1}{e} \cdot s}^{1 \cdot s} \frac{-1 \cdot \text{coul}}{s} ds \\ \int_{\frac{1}{e} \cdot s}^{1 \cdot s} \frac{1 \cdot \text{coul}}{s} ds \\ \int_{\frac{1}{e} \cdot s}^{1 \cdot s} \frac{1 \cdot \text{coul}}{s} ds \end{array} \right)$	$= \left( \begin{array}{c} 1.0000000000000002 \\ -1.0000000000000002 \\ 2.0000000000000004 \end{array} \right) \text{ N}$	X Y Z	100)
---	---	-------------	------

X and Y perform a 'twisting action' and the Z direction is the outward force field action.



The coulomb Z parameter polarity in the second column of the cross product is derived from the craft outer shell semi conductive ferrous coating that is charged electrically and is isolated electrically from the inner bowl conductor spiral design. The result is a reversed output action as will be shown by the following possibility. Below, the twister action is reversed. The mass-generating twister field action output occurs in the inner bowl's spiral X and Y of the result in the second column as shown below.

In the below example the outer conductive magnetic shell is charge negatively instead of positive as in the previous example on page 30A. This causes the X and Y portions of the spiral mass fields to reverse direction as shown.

$$\begin{bmatrix} \frac{d}{ds} \left( \frac{1 \cdot V \cdot s}{m} \right) \\ \frac{d}{ds} \left( \frac{1 \cdot V \cdot s}{m} \right) \\ \frac{d}{ds} \left( \frac{0 \cdot V \cdot s}{m} \right) \end{bmatrix} \times \begin{pmatrix} \int_{\frac{1}{e} \cdot s}^{1 \cdot s} \frac{-1 \cdot \text{coul}}{s} ds \\ \int_{\frac{1}{e} \cdot s}^{1 \cdot s} \frac{1 \cdot \text{coul}}{s} ds \\ \int_{\frac{1}{e} \cdot s}^{1 \cdot s} \frac{-1 \cdot \text{coul}}{s} ds \end{pmatrix} = \begin{pmatrix} -1.0000000000000002 \\ 1.0000000000000002 \\ 2.0000000000000004 \end{pmatrix} \text{N} \quad \begin{matrix} X \\ Y \\ Z \end{matrix} \quad (101)$$

Pulsing the X and Y spirals with a pulse voltage of the same polarity as shown in the two examples above while providing an AC reversing potential (+ to -, etc.) to the outer Z shell will cause the output mass generating field to alternately change the direction of the spiral mass generating field. This may create bolides of mass field to radiate from the bowl which could be damaging to whatever they impacted. While running for my life from a UFO that was lifting off I heard hissing sounds go past me and the other juveniles I was with also heard it. The first example on page 30A provides a continuous mono-directional spiral while the above example creates potentially destructive bolides. This occurred in Dallesport, Washington circa 1953. The next day a person of 'authority' took each one of us out to where the craft had lifted off and there was a large 20 foot diameter circle of blackened grass that was not entirely burned but had a shiny appearance. I was told that this "did not occur" by the authority figure.

The next two examples show the resulting output field when there is no outer shell charge and the X and Y spirals have the polarity of the driving pulse reversed. (Propulsion then tractor beam.) Also a mass-driving smashing field to hammer civilization to oblivion as on Mars.

$$\begin{bmatrix} \frac{d}{ds} \left( \frac{1 \cdot V \cdot s}{m} \right) \\ \frac{d}{ds} \left( \frac{1 \cdot V \cdot s}{m} \right) \\ \frac{d}{ds} \left( \frac{0 \cdot V \cdot s}{m} \right) \end{bmatrix} \times \begin{pmatrix} \int_{\frac{1}{e}}^{1 \cdot s} \frac{-1 \cdot \text{coul}}{s} ds \\ \int_{\frac{1}{e}}^{1 \cdot s} \frac{1 \cdot \text{coul}}{s} ds \\ \int_{\frac{1}{e}}^{1 \cdot s} \frac{0 \cdot \text{coul}}{s} ds \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \\ 2.0000000000000004 \end{pmatrix} \text{N} \quad \begin{matrix} X \\ Y \\ Z \end{matrix} \quad 102)$$

$$\begin{bmatrix} \frac{d}{ds} \left( \frac{1 \cdot V \cdot s}{m} \right) \\ \frac{d}{ds} \left( \frac{1 \cdot V \cdot s}{m} \right) \\ \frac{d}{ds} \left( \frac{0 \cdot V \cdot s}{m} \right) \end{bmatrix} \times \begin{pmatrix} \int_{\frac{1}{e}}^{1 \cdot s} \frac{1 \cdot \text{coul}}{s} ds \\ \int_{\frac{1}{e}}^{1 \cdot s} \frac{-1 \cdot \text{coul}}{s} ds \\ \int_{\frac{1}{e}}^{1 \cdot s} \frac{0 \cdot \text{coul}}{s} ds \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \\ -2.0000000000000004 \end{pmatrix} \text{N} \quad \begin{matrix} X \\ Y \\ Z \end{matrix} \quad 103)$$

Below is a photo of the outside of a constructed model of the Anasazi bowl on page 10 above. The flat black coating is ferrous paint that has been applied in two coats and has an average resistance of one to two Megohms from farthest to within a quarter inch apart. It reminds me of the flat black surface of stealth aircraft in its appearance. It is also magnetic as it is attracted to a magnet.



The conductive inter-wound spiral pattern on the inside of the bowl could also be replicated on the outside of the bowl over a thin layer of epoxy paint or actual epoxy. The inside of the bowl is capable of being synchronized to the magnetic outer surface as well as the outer spiral conductors where all three would be pulsed by a positive or negative voltage potential of narrow pulse width compared to the repetition time between the pulses. Then the entire structure is capable of time travel, instant offset to another spatial location, of generating a centrifugal local space force field and flattening targets with pin-point precision.

If landed on the ground, the occupant inside of the structure could be placed into a state of superposition and then projected outside to the ground and alternately be in both locations until the inside original person was fully transposed to the desired outside location. This would require careful phase adjustment in the relative pulse timing between the inner, magnetic shell and outer spiral surfaces. A mistake in the pulse timing could be disastrous for the structure and certainly for the transposed occupant. Having a delay-line inter-wound spiral harkens back to my transmission line engineering and if a strong radar signal would be targeted on a UFO it might interfere with the timing and cause it to crash as reported in the Roswell incident.

**A general statement can be made concerning time pulses and quantum interaction:**

In many previous posts on my web site at electrogravity.com as well as in Yahoo Groups I put forth the notion of splitting time wherein 'reality' existed in frames of time much like a picture on a screen at the movie theater. In between, there is time for other 'realities'. These are what I consider as dimensions of time rather than so called powers of distance related to so called 'continuous' space-time. This affects our memories as well so everything seems continuous to our senses.

Interfering with that fundamental refresh rate can cause reality to shift out of existence and people as well as ships and planes can be made to disappear as well as relocate.

Quantum Mechanics is not based on continuous time but is based on statistical mechanics of wave functions that predict the most likely place a particle may be at a given *section* of time.

If we are somehow able to shift (partialize) a wave function such that a particle around a nucleus has more momentum that exists on 1/2 of the circuit around the nucleus, then what I call offset quantum force may be expected and system motion in that direction can be expected to occur. This is **quantum force** and is directly related to both electrostatic as well as magnetic force and on a quantum basis, Electrogravitation. This force action is instantaneous and is quantum entanglement in all cases of field force.

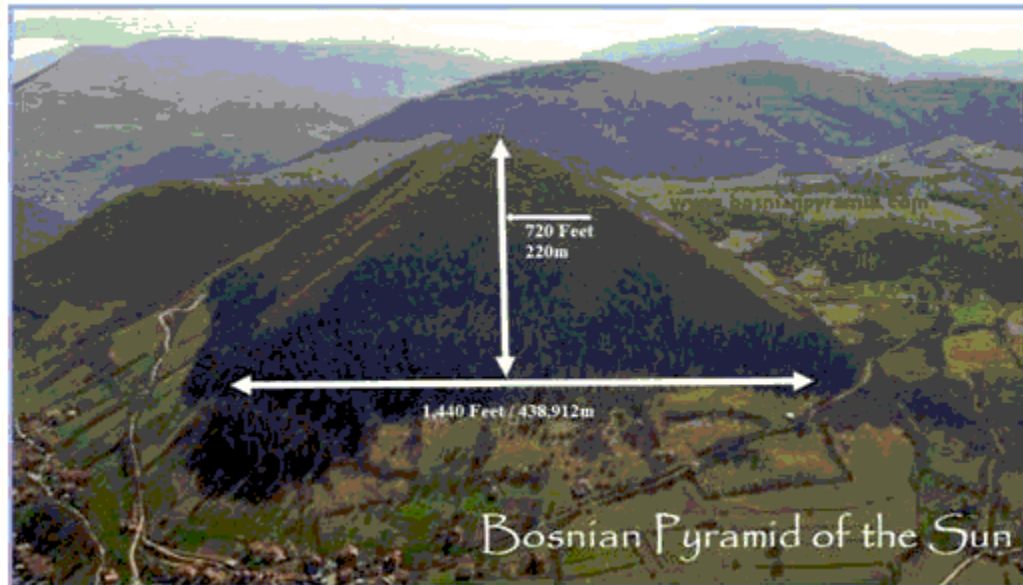
No small amount of effort has been made by academia to convince people that centrifugal force does not exist and the reason for this is likely due to the fact that gravitation as well as magnetism and electric force fields depend on it as a basis for force fields in general and that it occurs as 'entanglement' on the quantum wave function scale.

Then the outside of the Anasazi bowl can be likened to a macro-nucleus and the field generated by the design shown above could be expected to perform as having a quantum wave function that is generating an offset mass field. That mass field could produce a force in one direction since the circulating mass could be greater on one side of the bowl than the opposite side. The mass could be made to appear and disappear instantly since it is created by the quantum wave function of the field. Thus in essence, the method splits time rather than splitting the atom. Properly focused, even a small craft could easily and quickly create intricate designs in a ground crop with precision edges as the field "pushed" and heated the crop fiber by field action.

The ability to heat stone and cut it with precision would also be possible by carefully focusing the mass generating wave function in a pulsed mode that would very rapidly vibrate the molecules of the stone. Focusing the field on a human being would quickly evaporate all body fluids causing the body to resemble a "pillar of salt" or stone.

In fact, what the Prophets of the Bible saw as angels could quite possibly have been GOD'S angelic beings using quantum craft based on the bowl design above. That implies that Satan's workers may also use the same technology.

### The Bosnia Pyramid Of The Sun+Great Pyramid Of Giza+Colorado Power Transfer



The dimensions of the Bosnian Pyramid Of The Sun are very interesting indeed. The height is 720 feet and the total length of one side is 1440 feet. If we ignore the units of feet and Hz, we note that the great Pyramid of Giza in Egypt has a top frequency in the Grand Gallery of 720 Hz and 720 numerically is equal to the height numerically of the Bosnia Pyramid of The Sun. It is of interest that the following expression yields the Golden Ratio:

$$\sqrt{\frac{1440 \cdot \alpha}{4}} = 1.6208168029731183 \quad \text{and} \quad \left(\frac{4}{\pi}\right)^2 = 1.6211389382774046 \quad 104)$$

Its as if it is 'key' numbers that more important geometrically than the units dimensions. The common relationship is only related to the result being involved with the **Golden Ratio** and the **fine structure constant** for not only the Bosnian Pyramid but also the Great Pyramid of Giza in Egypt. The square of the angle of rise ratio is also equal to the Golden Ratio for the Great Pyramid of Giza in Egypt. **Equation (3) above firmly established the fine structure constant as being fundamental to the geometry of the Great Pyramid of Giza.** Frequency is fundamental to quantum energy when multiplied by Plank's constant h. Then The Anasazi bowl is also quite likely related to The Great Pyramid in Egypt as well as The Bosnia Pyramid Of The Sun. Further, All of the ancient pyramids of Earth and even other worlds may have these numbers as a common code in their structure.

There are frequencies in the Bosnia Pyramid that are of further interest. There is a frequency of 3333 Hz in 9 blocks of increasing frequency that sum to 29,997 Hz. There is also a beam of energy at a frequency of 28,300 Hz being emitted from the top of the pyramid at a potential of 3.9 V. Further, the energy of the beam increases with distance of rise which is not normal to electromagnetic radiation but is opposite to what is expected.

$$\text{Further, } 9 \cdot 3333 \cdot \text{Hz} - 28300 \cdot \text{Hz} = 1.697 \times 10^3 \cdot \text{Hz} \quad \text{where,} \quad (105)$$

$$\frac{1697 \cdot \text{Hz}}{3} \cdot \frac{\pi}{4} = 444.27356109515654 \cdot \text{Hz} \quad = \text{King's chamber and Grand Gallery operating frequency of the Great Pyramid at Giza in Egypt.} \quad (106)$$

$$\frac{720 \cdot \text{ft}}{12} = 60 \cdot \text{ft} \quad \frac{720 \cdot \text{deg}}{12} = 60 \cdot \text{deg} \quad \frac{720 \cdot \text{Hz}}{12} = 60 \cdot \text{Hz} \quad (107)$$

Note that in equation (104) previous, 1440 feet divided by 4 is 360 feet and ignoring the units of feet, this could be associated with 360 Hz which is six times 60 Hz or 360 degrees which is six times 60 degrees for the interior angles of a hexagon. It is as if units take a back seat to the numbers! Further, in equation (106) above, the denominator performs a division by 12 which is common to the number of inches to a foot and half of the hours of a day.

The sexagesimal system of the Sumerians is related to the above and a link to an explanation of the system is: <https://en.wikipedia.org/wiki/Sexagesimal>

I suspect that the sexagesimal code may be involved with the world's pyramids and have an off-planet connection as well. There seems to be a very large body of knowledge hidden in the ancient structures such as the pyramids around the world. If the main frequency of the King's Chamber and Grand Gallery of the Great Pyramid at Giza is considered to be in degrees, the result in numerical magnitude in Hz is:

$$\text{From Constants: } f_{\text{KC}} := \frac{V_{\text{air}}}{4 \cdot \lambda_{\text{H1}}} \quad f_{\text{KC}} = 444.3087570260215 \cdot \text{Hz} \quad (108)$$

$$\text{and } \tan(444.308757026 \cdot \text{deg}) \cdot \text{Hz} = 10.034225720245233 \cdot \text{Hz} \quad (109)$$

$$\text{Where: } f_{\text{LM}} = 10.03224805 \cdot \text{Hz}$$

which is effectively the least quantum electrogravitational frequency in Hz.

Let the frequency equal degrees and then let the tangent of that equal frequency! Again, the units seem to be interchangeable when it comes to important dimensional numbers in the common code of the pre-dynastic structures such as the pyramids.

The dimensions of the Bosnian pyramid as well as the Great Pyramid can be related to the main operating frequency  $f_{KC}$  by expressing a ratio of the side length and/or height dimensions to the frequency as shown next.

For the Great Pyramid from eq. (4) above:

$$\text{Side}\lambda_b := \frac{\text{Vel}_{\text{air}}}{\left(\frac{4}{\pi}\right)^2 \cdot \text{Hz}} \quad \text{Therefore:} \quad \text{GP}_{\text{ratio}} := \frac{\text{Side}\lambda_b}{f_{KC}} \quad 110)$$

$$\text{Then:} \quad \text{GP}_{\text{ratio}} = 20.5028539647059 \cdot \text{in} \cdot \text{Hz}^{-1} \quad 111)$$

The result is the **long cubit** in inches per unit of frequency in Hz

$$\text{For the Bosnian Pyramid Of The Sun:} \quad \text{Side}\lambda_{BP} := 1440 \cdot \text{ft}$$

$$\text{BP}_{\text{ratio}} := \frac{\text{Side}\lambda_{BP}}{2 \cdot f_{KC}} \quad \text{BP}_{\text{ratio}} = 1.6204947316800968 \cdot \text{ft} \cdot \text{Hz}^{-1} \quad 112)$$

Then it appears that the Great Pyramid is designed on the basis of the Long Cubit while the Bosnian Pyramid Of The Sun is built on feet per Hz and the frequency of  $f_{KC}$  is common to both. Further, the Bosnian Pyramid length is set in feet/Hz times the Golden Ratio where:

$$\Phi_{\text{Gold}} = 1.6211389382774046 \quad 113)$$

$$\Delta\text{Ratio} := \frac{\text{GP}_{\text{ratio}} - \text{BP}_{\text{ratio}}}{\pi} = 8.545250593440434 \times 10^{-3} \cdot \text{m} \cdot \text{Hz}^{-1} \quad 114)$$

Note that from the constants page above, the **Electrogravitational Quantum Standing Wave Wavelength** is:

$$\text{Where:} \quad \lambda_{LM} = 8.514995412331709 \times 10^{-3} \text{ m}$$

Multiplying  $\Delta\text{Ratio}$  by  $f_{\text{KC}}$  we end up with a fundamental length related to the main and common acoustic frequency of both pyramids.

$$\lambda\Delta_{\text{FUND}} := f_{\text{KC}} \cdot \Delta\text{Ratio} = 3.7967296696473922 \cdot \text{m} \quad (115)$$

Where: 
$$\frac{c_{\text{vel}} \cdot 2 \cdot \Phi_{\text{Gold}}}{\lambda\Delta_{\text{FUND}}} = 2.5601255256649833 \times 10^8 \cdot \text{Hz} \quad (116)$$

The effective quantum velocity in the n1 energy level of the H1 Bohr atom is:

$$v_{\text{n1}} := \alpha \cdot c_{\text{vel}} \quad v_{\text{n1}} = 2.1876914167470707 \times 10^6 \frac{\text{m}}{\text{s}} \quad (117)$$

Finally: 
$$\frac{v_{\text{n1}}}{\lambda_{\text{LM}}} = 2.569222073307028 \times 10^8 \cdot \text{Hz} \quad (118)$$

Then we can conclude that the n1 energy level of the H1 Bohr atom is an integral part of both pyramids fundamental operation. We may further posit that all such pyramid structures utilize the hydrogen atom as well as the fundamental operating acoustic vibration frequency  $f_{\text{KC}}$ .

Further, the electrogravitational constants  $\lambda_{\text{LM}}$ ,  $f_{\text{LM}}$  and  $v_{\text{LM}}$  are also fundamental in transferring energy gravitationally in quantum fashion between the pyramids as well. In addition, energy may be drawn from the ambient gravitational field of the Earth.

**Nikola Tesla** reportedly did a test near Colorado Springs where he wirelessly transmitted 10 KW of power to a point 26 miles away. (200 incandescent bulbs at 50 watts each.) The  $f_{\text{KC}}$  frequency is also related to this feat as follows:

$$f_{\text{T}} := f_{\text{KC}} \cdot [8 \cdot (2)] \quad f_{\text{T}} = 7.108940112416344 \times 10^3 \cdot \text{Hz} \quad (119)$$

$$\lambda_{\text{T}} := c_{\text{vel}} \cdot f_{\text{T}}^{-1} \quad \lambda_{\text{T}} = 26.203962068250288 \cdot \text{mi} \quad (120)$$

Notice the numerical sequence for the distance in miles for  $\lambda_{\text{T}}$  is the same as for the square of the Golden Ratio if divided by 10.



Further, the distance per Hz for the Colorado Springs test is:

$$\lambda_T \cdot f_T^{-1} = 19.46238363700798 \cdot \text{ft} \cdot \text{s} \quad \text{Where,} \quad \frac{1}{\text{s}} = 1 \cdot \text{Hz} \quad (121)$$

Again, we encounter the all important and famous number 12 as shown below.

$$\frac{\lambda_T \cdot f_T^{-1}}{12} = 1.6218653030839985 \cdot \text{ft} \cdot \text{s} \quad (122)$$

$$\text{Where;:} \quad \Phi_{\text{Gold}} = 1.6211389382774046 \quad (123)$$

$$\text{Also;} \quad \frac{f_{\text{KC}} \cdot \alpha}{2} = 1.6211389382774049 \cdot \text{Hz} \quad (124)$$

Now we can see how the Golden Ratio is likely fundamental to the structure of pyramids in general as well as the Anasazi Bowl dimensions and as well as Nikola Tesla's work in Colorado Springs. Also, the  $f_{\text{KC}}$  frequency and the Hydrogen Hyperfine Frequency can be connected to the Golden Ratio as well. The Anasazi compounds in Chaco Canyon were built on the Golden Ratio spiral geometry and finally, nature demonstrates the Golden Ratio Spiral in the geometry of living organic creation via the DNA programming which is also Golden Ratio based.

The Golden Ratio is related to the natural number e as follows:

$$\left(\frac{e^2}{2}\right)^{-1} = 0.2706705664732254 \quad \sqrt{2 \cdot e \left(\frac{e^2}{2}\right)^{-1}} = 1.6191622300188329 \quad (125)$$

Equation (58) above yields the ubiquitous refresh frequency of real local space and that frequency is related directly to the natural number e as well as the Golden Ratio above.

$$\sqrt{f_{\text{KC}} \cdot f_{60\text{Hz}}^{-1}} = 2.72069905 \quad \frac{\ln(f_{\text{KC}} \cdot f_{60\text{Hz}}^{-1})}{2} = 1.00088885 \quad (126)$$

Changing the refresh frequency refresh rate of a region of space may cause material objects in that space to relocate into another space and time as for the case concerning the "Philadelphia Experiment".

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No small amount of effort has been made by the status quo to convince people that centrifugal force does not exist and the reason for this may be due to the fact that gravitation as well as magnetism and electric force fields depend on it as a basis for force fields in general and that it may occur as 'entanglement' via probability and the quantum wave function.

**A Proposed Bimodal Action Of Electrogravitation**

The universal gravitational constant is stated as:  $G_R := 6.6725900 \cdot 10^{-11} \cdot N \cdot m^2 \cdot kg^{-2}$

The n1 energy level radius of the Bohr H1 atom:  $a_o := 5.29177249 \cdot 10^{-11} \cdot m$

The force gravitational between two electrons in the n1 level of the Bohr hydrogen atom is:

$$F_{GQ} := \frac{h \cdot f_{LM}}{a_o} \cdot \left( \frac{G_R}{v_{LM}^4} \right) \cdot \frac{h \cdot f_{LM}}{a_o} = 1.9772913907420728 \times 10^{-50} N \quad (127)$$

The above equation is the instantaneous **quantum action** of electrogravitation and can be stated as the general case of applying to all quantum particles (given the energies involved) when the associated mass is taken into account. The distance  $a_o$  can be a variable for the general case. Further, the energy is the lowest possible electrogravitational energy level.

Let constants for the following analysis be stated as shown below:

$$\mu_0 := 4 \cdot \pi \cdot 10^{-7} \cdot \text{H} \cdot \text{m}^{-1} \quad \text{Magnetic Permeability Of Free Space}$$

$$\mu_0 = 1.2566370614359172 \times 10^{-6} \cdot \text{H} \cdot \text{m}^{-1}$$

$$i_{LM} := q_0 \cdot f_{LM} \quad \text{Quantum Electrogravitational Current}$$

$$i_{LM} = 1.6073440394646707 \times 10^{-18} \text{ A}$$

$$l_q := 2.817940920 \cdot 10^{-15} \cdot \text{m} \quad \text{Classic Electron Radius}$$

The Magnetic Vector Potential ( $A_{vec}$ ) shown immediately below is fundamental to the local electromagnetic field and the non-local quantum realms of field force. Further, it affects particle momentum in the absence of the magnetic field that creates it as proven by the Aharonov-Bohm experiment. It cannot be shielded against and therefore it is a carrier of the quantum and electromagnetic force fields as well as the electrogravitational force.

$$A_{vec} := \frac{\mu_0 \cdot i_{LM} \cdot \lambda_{LM}}{4 \cdot \pi \cdot a_0} \quad \text{For the n1 H1 A-vector field between two electrons.} \quad (128)$$

$$A_{vec} = 2.5863785995985613 \times 10^{-17} \cdot \text{V} \cdot \text{s} \cdot \text{m}^{-1}$$

Let the **Electrogravitational Quantum Force Constant** be stated below as:

$$F_{QK} := \frac{i_{LM} \cdot \lambda_{LM}}{l_q} \cdot \mu_0 \cdot \frac{i_{LM} \cdot \lambda_{LM}}{l_q} \quad (129)$$

$$F_{QK} = 2.9643714477576975 \times 10^{-17} \text{ N}$$

**A force constant in the field has significance for the Bosnian Pyramid since the energy would increase as the distance increased in the energy beam since energy = force times distance.**

In the following equation on the next page the electrogravitational force equation involving the speed of light for observational local space is presented.

The electrogravitational force reaction in local space with quantum EG constants:

$$F_{GE} := A_{\text{vec}} \cdot F_{QK} \cdot A_{\text{vec}} \quad (130)$$

$$F_{GE} = 1.9829730773648129 \times 10^{-50} \cdot N \cdot \frac{H}{m} \cdot N$$

The H/m connector constant  $\mu_0$  in Eq. (129) works as a commutator between the local electromagnetic field and the non-local quantum field. The field action is switched between local and non-local so that the average field is one of a single Newton force to the local observer at any time. Remember, the observer's memory is also affected by the 60 Hz refresh event so the observer only observes the local space force field reaction.

Then there exists TWO electrogravitational equations. One is for non-local quantum space and is instantaneous in its **action** and the other is for local space and travels at the speed of light in conveying the **reaction**. Newton's **Third Law Of Motion** applies to both cases and as such is valid in both frames of reference. For the sake of comparison to the above equations, local and non-local, Newton's gravitational equation is presented below.

$$F_{GN} := \frac{G_R \cdot m_e \cdot m_e}{a_0^2} \quad \text{Where;} \quad (131)$$

$$F_{GN} = 1.9772913889685186 \times 10^{-50} N \quad \text{Comparing ratios in A and B below:}$$

$$A) \quad \frac{F_{GQ}}{F_{GN}} = 1.0000000008969614 \quad \text{Exact result quantum compared to Newton's gravitational equation.} \quad (132)$$

$$B) \quad \frac{F_{GE}}{F_{GN}} = 1.0028734704596363 \cdot N \cdot \frac{H}{m}$$

Partial Result showing the commutator and 1/2 the field action in local space. Remember, the  $\mu_0$  term and the ( $F_{QK}$  Newton) terms are both constants so only one local space  $\Delta$ Newton term is an observable parameter.

Dark energy and matter may be the result of the left over reactions existing at their lowest energy where they can lose no more to the process of entropy.

## Black Hole Paradox:

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If gravitation actually moves at the speed of light, that begs the question: How does the gravitational field information escape the event horizon of a black hole? Supposedly the gravitational mass of the black hole tells space how to bend and then that bending of space tells the mass how to move. The information connected to the black hole's mass would have to travel faster than the speed of light to leave the black hole's event horizon. Thus, space could not *warp* and a black hole could not affect other mass in the universe at all.

Then what is a solution may well be the magnetic vector potential which exists outside of the field that creates it. That is, the A-vector exits the event horizon since it cannot be shielded against as in is not electromagnetic in its nature since it is not time dependant. (A steady state magnetic field can generate the A-vector.) The below link will reveal the nature of the A-vector as it related to the Aharonov-Bohm experiment.

<http://www.electrogravity.com/ABEffect/AharonovEffect-sciam0489-56-65.pdf>

The A-vector is described as a potential much like a gravitational field is described in terms of potentials. Since it (the A-vector) affects the momentum of quantum particles in the absence of the magnetic field that creates it, the A-vector becomes the carrier that is ideal for the non-local electrogravitational action AND local field reaction. Thus it transits the event horizon as an action and the gravitational field is created outside of the black hole without depending on the need to bend space. However space will be observed to be 'bent' as seen by a local observer as a reaction process in the speed of light (or less) system of observation.

The units of the A-vector are (volt-second) per meter. No mass involved in the units and volt-seconds is like the quantum constant  $\Phi_0$  which is the established *Fluxoid Quantum*.

**Finally:**

$$f_{QM} := c_{vel} \cdot \lambda_{LM}^{-1} \cdot (2 \cdot \pi \cdot \alpha^{-1}) = 3.03145267715589 \times 10^{13} \cdot \text{Hz} \quad 133)$$

$$i_{Avec} := q_0 \cdot f_{QM} = 4.8569247563069755 \times 10^{-6} \text{ A} \quad 134)$$

$$FG_{Avec} := A_{vec} \cdot i_{Avec} \cdot \left( \frac{G_R}{v_{LM}^4} \right) \cdot A_{vec} \cdot i_{Avec} \quad 135)$$

**QED**

Then:  $FG_{Avec} = 1.9772913546357154 \times 10^{-50} \text{ N}$

The A-vector is useful as the universal carrier of both forms of Electrogravitation.

Where,  $FG_{Avec} \cdot F_{GN}^{-1} = 0.9999999826364472$

### **Transmission Lines And Quantum Entanglement:**

Let us return now to the subject of Nikola Tesla's famous coil and power transmission between two or more of them. If we consider only one Tesla coil, we can think of it as  $1/2$  of a transmission line. Then two identical Tesla coils separated by a distance based on multiples of a half wavelength could be a whole transmission line. Further, each Tesla coil has a winding length on the secondary of odd whole number multiples of  $1/4$  wavelength so that the 'whole' transmission line is odd whole number multiples of  $1/4$  wavelength each. It is established science that a  $1/4$  wavelength transmission line with open ends will generate high voltage between the open ends compared to the very low impedance and low voltage input end. The coils being  $1/2$  wavelength apart, quantum entanglement along with electromagnetic resonance will occur. Thus, equations (119) and (120) previous are better understood.

Unfortunately, there are various sources that go into complicated and extraneous theory concerning the mathematics applied to how a Tesla coil operates and this can confuse the actual case. Put simply, whole odd number multiples of  $1/4$  wavelength in the coil winding is the secret since a Tesla coil is  $1/2$  of a transmission line whose counter-part Tesla coil leg will be established best at  $1/2$  a whole wavelength away. That's all there is to it.

That is the secret to quantum particle entanglement, as well as the interaction between the Anasazi Bowl designs where the bowl design itself is based on a transmission line geometry that could possibly be quantum entangled to other similar bowl constructs.

A quarter wave is called a 'standing wave' and as such is not a normal electromagnetic wave. The voltage and current are 90 degrees out of phase time wise with each other in a standing wave where a normal electromagnetic wave has the voltage and current in phase with each other time wise while the current and voltage are being rotated 90 degrees away from each other space wise.

A standing wave can be thought of as 'reaching out' space wise rather than the voltage and current rotating away from each other as for the EM wave. It actually can be thought of as instantly 'reaching' between the centers of quantum particles as action and reaction. Of further interest the standing wave carries force but no real power since the current and voltage are 90 degrees out of phase with each other and real power equals the cosine of the angle between the current and voltage times the current times the voltage. That's zero real power.

Simply put, in the power industry, having a power line in a standing wave condition will transmit zero power to the load but the voltage potential can still injure or kill a person who contacts the line. Again, gravitation deals with 'potentials' and thus a force is the result. Therefore, electrogravitation is the result of quantum non-local action followed by local electromagnetic space reaction. Then it is possible that only  $1/2$  of the total gravitational process was detected by the recent LIGO results which may have only detected the associated A-vectors of the local space EM related '*gravitational wave*'. The non-local event occurred millions of years previous to the local event.

**Harnessing Electrogravitational Energy At The Surface Of The Earth**

$$R_E := 6.37 \cdot 10^{06} \cdot \text{m} \quad \text{Mean Radius of the Earth}$$

$$M_E := 5.98 \cdot 10^{24} \cdot \text{kg} \quad \text{Mass of the Earth}$$

$$m_e = 9.1093897 \times 10^{-31} \text{kg} \quad \text{Electron Rest Mass}$$

$$G_R = 6.67259 \times 10^{-11} \cdot \text{N} \cdot \text{m}^2 \cdot \text{kg}^{-2} \quad \text{Gravitational Constant}$$

$$g_E := 9.80665 \cdot \text{m} \cdot \text{s}^{-2} \quad \text{Gravitational Acceleration}$$

Below is derived a frequency related to the mass of the Earth and one electron mass at the surface of the Earth. Further, the result is derived related to Plank's constant h which makes the frequency a quantum related result.

$$F_{Ne} := \frac{G_R \cdot M_E \cdot m_e}{R_E^2} \quad F_{Ne} = 8.957896518895517 \times 10^{-30} \text{N} \quad 136)$$

$$E_{Ne} := F_{Ne} \cdot \lambda_{LM} \quad E_{Ne} = 7.627644776253752 \times 10^{-32} \text{J} \quad 137)$$

$$f_{Ne} := \frac{E_{Ne}}{h} \quad f_{Ne} = 115.11557295496789 \cdot \text{Hz} \quad 138)$$

The King's Chamber frequency is:  $f_{KC} = 444.308757026 \cdot \text{Hz}$

If we take 1/4 of that frequency we develop a quarter wave related to it as:

$$f_{QWKC} := \frac{f_{KC}}{4} = 111.07718925650538 \cdot \text{Hz} \quad 139$$

It is possible that since the equivalent quarter wave of  $f_{QWKC}$  is lower than  $f_{NE}$ , then  $f_{QWKC}$  could be pulled up to match the peak of the wave generated by  $f_{NE}$  which is the ambient gravitational frequency related to the rest mass of the electron and as such it has more energy to add to the lower frequency of the King's Chamber and Grand Gallery power levels. In other words, the energy would be boosted in an amount related to the frequency differential multiplied by  $h$  and that energy would be extracted from the ambient gravitational field of the Earth.

Another approach is utilizing the acceleration of the gravitational field on mass at the surface of the Earth. If the frequencies were to become equal by raising the internal frequency of the pyramid so that they could form a perfect resonance, tremendous energy may be extracted from the ambient gravitational field of the Earth which would be catastrophic.

$$E_{Ame} := g_E \cdot m_e \cdot \lambda_{LM} = 7.606666493819948 \times 10^{-32} \text{ J} \quad 140)$$

$$f_{Eme} := E_{Ame} \cdot h^{-1} = 114.79897103224901 \cdot \text{Hz} \quad 141)$$

Note that the quantum electrogravitational wavelength  $\lambda_{LM}$  is utilized along with Plank's constant  $h$  along with the standard Newtonian constants. It is also important to note that equation 108 on p. 34 previous sets the main operating frequency at:

$$f_{KC} := \frac{\text{Vel}_{air}}{4 \cdot \lambda_{H1}} = 444.3087570260215 \cdot \text{Hz} \quad 142)$$

The above frequency is set so as to be raised by the ambient electrogravitational frequency at the surface of the Earth as explained previously. That frequency would be utilized in the energy pipe experiment proposed on page 23 previous. Heating the pipe to achieve the correct air speed would help generate the  $f_{KC}$  frequency naturally.

The  $f_{KC}$  frequency is key to the geometry of energy extraction from the gravitational field as well as the atomic fine structure constant ( $\alpha$ ) and the Golden Ratio  $\Phi_{Gold}$ . The following equation demonstrates this interrelationship very well:

$$\frac{f_{KC} \cdot \alpha}{(\Phi_{Gold} \cdot \text{Hz}) \cdot 2} = 1.0000000000000002 \quad \text{Essentially or exactly unity.} \quad 143)$$

Notice that the Golden Ratio is expressed in units of frequency.



### Puma Punka In Peru Is A Profound Mystery

The huge megalith stones of Puma Punka are of extreme precision manufacturing that is not understandable by conventional technology. The stones appear to be of ancient creation by an unknown people and the purpose of the composite structure is not known. However, there are magnetic patterns in the stones that suggest they were electromagnetically purposed for energy production?

GO: <https://www.youtube.com/watch?v=s5ilJXXVdww>

This only a sample video that demonstrates just a few of the mysterious facts connect with this ancient site. I suggest that the destruction was carried out on purpose by entities that had mass wielding force fields as describe previously that could 'hammer' the stones as well as lift them up and then bury them with muddy clay soil. The stones and soil actually lifted themselves due to the offset inertial forces induced by electrically synchronized fields that interacted on a molecular/atomic scale in the stones. This is the same field that lifts the flying saucers as well as teleports them.

About 3.03 minutes into the video a series of small holes are seen that were perfectly drilled in a line inside of a groove cut into the hard stone. From a previous video the measured distance between the holes was demonstrated that the distance between the holes was seen to be 32.5 millimeters. It will be shown that this distance is related to the hyperfine frequency of hydrogen.

$$\lambda_{\text{holes}} := 32.5 \cdot \text{mm}$$

$$\frac{\lambda_{\text{H1}}}{\lambda_{\text{holes}} \cdot 4} = 1.623547235890769 \quad \Phi_{\text{Gold}} = 1.6211389382774046 \quad 144)$$

It appears that  $\lambda_{\text{holes}}$  is a quarter-wavelength since 4 times that wavelength times 4 times  $f_{\text{KC}}$  all divided into  $\text{Vel}_{\text{air}}$  is extremely close to the Golden Ratio.

$$\lambda_{\text{holes}} \cdot 4 = 0.13 \text{ m} \quad \frac{\text{Vel}_{\text{air}}}{(\lambda_{\text{holes}} \cdot 4) \cdot f_{\text{KC}} \cdot 4} = 1.623547235890769 \quad 145)$$

Again, we see that the  $f_{\text{KC}}$  frequency and the Golden Ratio  $\Phi_{\text{Gold}}$  are integral parts of the mathematical structure of the stones' geometrical interface for energy production.

Equation 118 previous was given as:

$$\frac{v_{n1}}{\lambda_{LM}} = 2.569222073307028 \times 10^8 \cdot \text{Hz}$$

If we multiply that frequency by  $4/\pi$  we arrive at what is known as the Deuterium-2 frequency of the hydrogen atom.

$$\frac{c_{vel} \cdot \alpha}{\lambda_{LM}} \cdot \left( \frac{4}{\pi} \right) = 3.2712351429409714 \times 10^8 \cdot \text{Hz} \quad 146)$$

Again,  $4/\pi$  is fundamental to the slope of the Great Pyramid at Giza in Egypt as well as the Hydrogen atom energy structure. Equation 118 also established the least quantum electrogravitational wavelength  $\lambda_{LM}$  and the velocity of the n1-H1 Bohr Hydrogen atom as very intimately related.

Returning to the Electrogravitational force between two electrons in the n1-H1 atom energy level radius distance of separation, the quantum non-local energy of  $h$  times  $f_{LM}$  is assigned to one electron and instantly, the local space  $\Phi_o$  times  $i_{LM}$  all divided by  $a_o^2$  is the entangled result for the other electron which is then subject to relativistic observational rules. The quantum space action is not observed by any of the usual means from local space. Newton's Third Law of Motion is satisfied in both the non-local and local space action and reaction interaction electrogravitational process. Thus established are the three legs of the support for my theory.

Let:  $\Phi_o := 2.067834610 \cdot 10^{-15} \cdot \text{V} \cdot \text{s}$       Quantum Fluxoid in Established SI Units

$$F_{QE} := (h \cdot f_{LM}) \cdot \left( \frac{G_R}{v_{LM}^4} \right) \cdot \left( 2 \cdot \frac{\Phi_o \cdot i_{LM}}{a_o^2} \right) = 1.97729138139 \times 10^{-50} \text{N} \quad 147)$$

Where:  $h \cdot f_{LM} = 6.647443301402777 \times 10^{-33} \text{J}$       148)

$$\frac{G_R}{v_{LM}^4} = 1.2530364957115376 \times 10^{-6} \frac{1}{\text{N}} \quad 149)$$

$$\left( 2 \cdot \frac{\Phi_o \cdot i_{LM}}{a_o^2} \right) = 2.3738447426820475 \times 10^{-12} \cdot \text{N} \cdot \text{m}^{-1} \quad 150)$$

Equation (148) is the non-local quantum energy that is instantaneously connected to all other energy/mass in the universe. Equation (149) is similar to Einstein's Field Equation as a variance of the K constant. In this paper, the divisor is the fourth power of the least quantum velocity  $v_{LM}$  instead of the fourth power of the speed of light. Equations (148) and (149) are constant compared to equation (150) where the  $J/m^2$  is inversely proportional to the square of the distance between the two electrons in space. Equation (150) is in local space and is subject to the relativistic observation rules of Special and General Relativity. **Equation (147) is the total Electrogravitational Equation that unifies quantum theory with relativity.** It contains non-local quantum action coupled with local space reaction and thus also satisfies Newton's Third Law Of Motion.

Equation (150) can be further resolved as shown below:

$$\frac{\Phi_o}{a_o} = 3.907640802599962 \times 10^{-5} \cdot V \cdot s \cdot m^{-1} \quad \text{The Quantum A-vector Potential} \quad (151)$$

$$\frac{i_{LM}}{a_o} = 3.037439803963815 \times 10^{-8} \frac{A}{m} \quad \text{Amps/m = H in electromagnetics} \quad (152)$$

Note that  $\Phi_o$  and  $i_{LM}$  are both quantum constants. The term  $a_o$  can be considered to be variable to fit the macroscopic case.

Current related to the charge of the electron multiplied by the least quantum electrogravitational frequency  $f_{LM}$  can be a complex result where current is in the imaginary plane of a phasor diagram. A rotation counterclockwise to 90 degrees positive from the real axis could be considered to be traveling backwards in time while rotating the angle clockwise by 90 degrees would be moving forward in time. Further, the result would represent energy in the imaginary plane that could account for so-called dark matter and dark energy. Being in the imaginary plane, matter and/or energy would still have gravitational action/reaction while being invisible to real space observation. Finally, having the quantum expression  $h$  times  $f_{LM}$  being assigned the imaginary prefix (i) would turn equation (147) into a negative force and the result would be repulsion. This would explain expansion of the universe as well as gravitational fields in space being observed to be much stronger than can be accounted for.

### Anti-Electrogravitation

153)

$$F_{QEi} := \left[ i \cdot (h \cdot f_{LM}) \right] \cdot \left( \frac{G_R}{v_{LM}^4} \right) \cdot \left[ 2 \cdot \frac{i \cdot (\Phi_o \cdot i_{LM})}{a_o^2} \right] = -1.97729138139 \times 10^{-50} N$$

Complex math is common in electronics and in the electrical power industry as well as quantum particle wave functions and as a result we can expect positive as well as negative forces where two or more particles interact. Standing waves do not radiate and form the lowest state of energy in the atom and for free space dark matter and dark energy would be the expected lowest energy states of the field. (Electrogravitational quantum standing waves are states of energy where the potentials and currents are 90 degrees apart in time and the A-vector would entangle to all other matter (instantly) everywhere.) The A-vector cannot be shielded against and therefore is suitable for being the carrier of the gravitational interaction between non-local and local space.

In equation (150) previous the units in local space are newtons per meter and that is considered as a surface tension. A tension is also akin to being a tensor which is the basis math of GRT. If we then allow the inverse meter portion to be assigned to equation (148) the result is in newtons in the non-local quantum sense. The total result is equation (147) and/or equation (153) which is expressed by a newton unit only.

Quantum superposition of just one electron predicts that electron point can be in any other point in space due to the uncertainty principle until its wave function collapses. This infers that the electron could also interact with itself as well as other particles at a distance to create an electrogravitational interaction. That is defined as quantum entanglement. Thus we may consider the possibility that creation is a giant quantum computer and further that could be accomplished via one electron only. If quantum computers can stop working if quantum entanglement is interfered with, what might happen if we manage to interfere with the nature of quantum creation itself? That might happen if we build a big enough quantum computer. Let us hope that is not possible and that the large creation quantum computer remains supreme.

Finally, having equations (148) and (150) being imaginary suggests to me that a positive 90 degree vector implies inductance while a negative 90 degrees implies capacitance and together they form either a series or parallel resonant quantum 'circuit' that may also represent a fundamental quantum frequency. I suggest that frequency is my derived quantum electrogravitational frequency  $f_{LM}$  from many previous calculations. I consider it to be a quantum space reality refresh rate that is not electromagnetic and therefore not detectable by ordinary local space instrumentation. It may be possible however to interfere with reality by interfering with or having a different quantum refresh rate. Thus, flying saucers are able to instantly appear and disappear by slipping in and out of our local space 'reality'.

**Conclusion:** Neither General Relativity or Quantum Mechanics are totally right or totally wrong. Together they may be much closer to being right than wrong if combined with Newton's Third Law Of Motion as outlined in this paper.