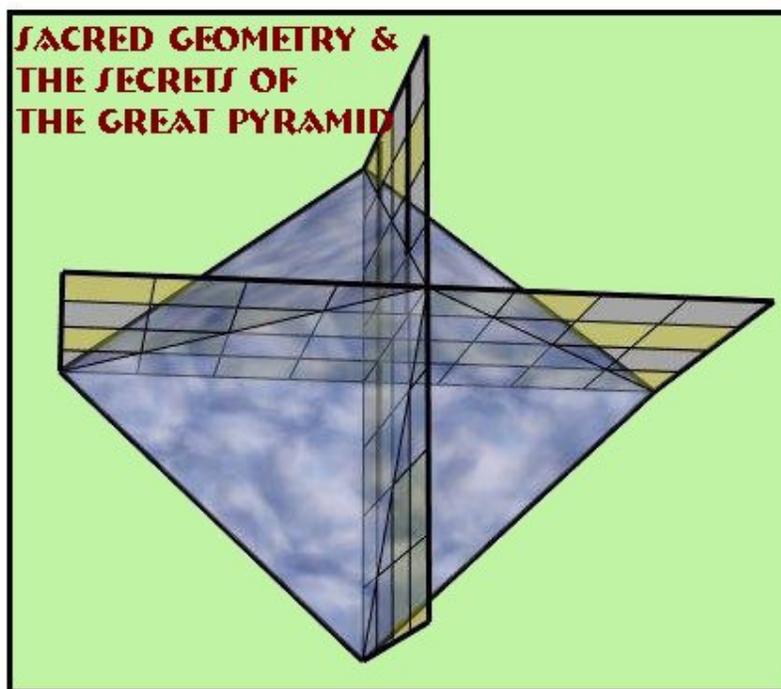


Introduction

The enigmatic Great Pyramid (GP) at Giza is arguably the most studied ancient structure. Yet it still holds its mysteries today despite countless hours of devoted study by people from all walks of life.

The sacred always seems to endure across millennia, not in words, but expressed symbolically through the temples, statues, icons and natural formations. Hence geometry and mathematics are to many, a sacred divine language. This view is neatly reflected in the GP as it contains no written language, yet speaks to us in so many ways.



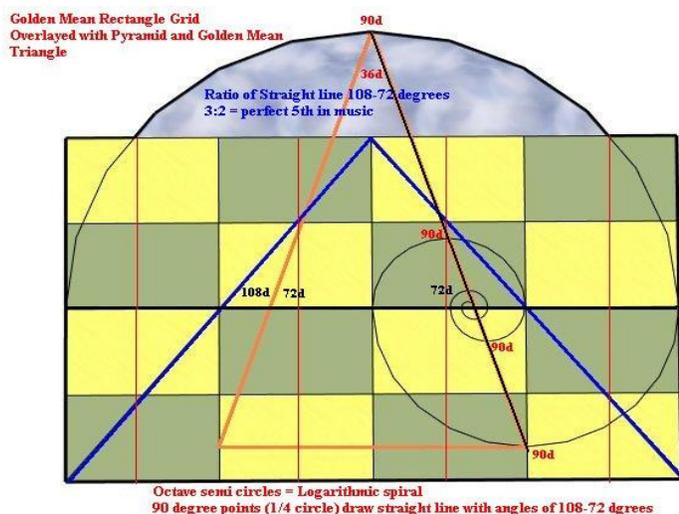
While the GP is held in awe for its mysteries, size and age, we humans are inextricably linked to the GP via our own sacred geometry through the golden ratio “Phi”. This is clearly demonstrated in the famous Da Vinci drawing of the ‘Vitruvian Man’. Yet our own existence is not in written form either, but from a geometric and mathematical source that spans a period way beyond that of the GP.

For many years I have studied metaphysics and have been drawn intuitively to the synthesis of sacred geometry, harmonics and maths without knowing exactly where that journey is leading. Recently, while playing with some new 3D construction programme, I found that the software automatically creates Golden Ratio rectangles. Experimenting, I began assembling a grid based on the numeric layout of the ninth-century Borobudur Buddhist Temple in Magelang, Central Java. The temple is based on a 9x9 square grid with nine squares of the Brahmastana at the centre. This is surrounded by three layers consisting of 16, 24, and 32 squares, a total of 81 squares representing the Mandala of the cosmos. The nine-square central core corresponds with the Embryo of Splendour (Hiranyagarbha) that is featured in various Hindu tales of creation and mentioned below in reference to stem cells.

Therefore I wish to take you on a harmonic journey where numbers and shapes form a narrative of the GP and our natural selves. The harmonics I use are based on the music octave and ‘base-9’ maths that can be easily converted back and forth to ‘base-10’ by adding/removing zeros and decimal places.

Numbers that resonate together at different octaves called overtones are very powerful. In Physics,

harmonics is the study of the wave where the frequency is a whole-number multiple of that of another.

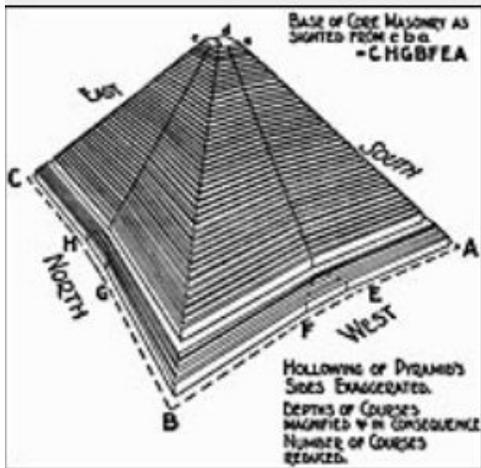


The mathematical octave is a process of dividing or multiplying by 2. Similar to the music fundamental note and overtone - like taking a string that produces a note of 100hz and placing your finger half way. The string halved will produce an overtone of 200hz. The diagram on the left incorporates the concept of the ever-diminishing octave producing a logarithmic spiral. This spiral overlays a 32-rectangular (sqr root of Phi) grid, Pyramid and

Golden Ratio triangle. The right hand side of the triangle (in black) forms a straight line through the semi circles at the 90° points and forms the angles of 108° and 72° on a ratio of 3:2 = perfect 5th in music.

An example of harmonics and octaves on a biological level is the Embryo's cell division. Stem cells are 'un-differentiated' until the 32nd cell divides. Harmonically this occurs at the end of the 5th octave and the beginning of the 6th octave (ie: 1-2-4-8-16-32*-64). In Vedic and other ancient traditions there are 32 layers or levels an initiate must traverse to enlightenment - the exact number of vertebrae of the human spine from which the twin (spiral) Kundalini serpent climbs.

We are in essence a reflection of the GP in that our hands and feet express five-ness and we have 9 'openings' in our body and one hidden 10th hole on the top of the head at birth called a Fontanelle. Including the double pentagon of the DNA, along with the coupling of the pentagon & hexagon.



The Etymology of the word Pyramid has many versions, such as the Coptic Egyptian term *Pyr - met* which can mean *Pyr* = raise high and *Met or Meter* = truth and read as 'high truth'. The Hieroglyphic *Pyr* = division, and *met*, denotes the number ten. But it is also possible that *pyr* comes from Egyptian *Per* = house. The word *Meh* means perimeter of a town or measure.

The early Coptic *Pyr-met* meaning 'division of or by 10' strikes a chord as the GP has 10 faces. Each side of the GP has an indent at 378ft intervals that can only be seen from above. With no capstone and the base we have a structure that is a division of ten as shown in the Petrie drawing opposite.

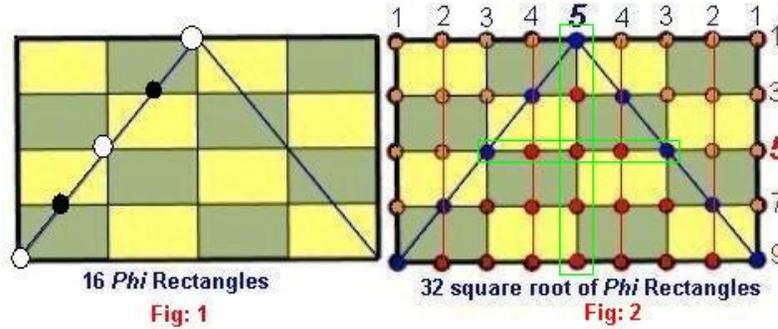
(Note: it is also recognised that the word *Pyr* may refer to the position of the GP dividing the Nile Delta in half and the lands of Upper and Lower Egypt.)

Nevertheless, how does this all fit together? In respect to the GP I intend to show that encoded within its proportions is the following simple Base-9 maths calculation: $1 \times 2 \times 3 \times 4 \times 5 \times 6 \times 7 \times 8 \times 9 = 362880/10$. This calculation is derived from the Ancient Reed measure of 10.5ft or 126 inches. We will find encoded 288 Reeds x 126 inches x 10 = 362,880. The reasons for the choice of the Reed over the Cubit will be covered later and will become clear as you read.

As most readers will know the GP incorporates into its design both Phi & Pi mathematics and armed with this knowledge we shall use the geometric construction of a Golden Ratio (Phi) rectangular grid with 16 rectangles as per [fig 1](#).

You will notice that a triangle can be drawn from the corners at the base to the centre at the apex. Where the triangle intersects the grid lines it divides two rectangles in half on each side creating a ratio along the triangle, again a ratio of 3:2 = perfect 5th in music. From this we can create 32 smaller rectangles (not squares) as per [Fig 2](#) in a ratio of the sq root of Phi (1.272) producing an interesting numerological and harmonic set.

Golden Rectangle Grid & Great Pyramid



Firstly, along the triangle there are 9 blue intersection points with a further 7 red at the base and another 9 embedded within the triangle for a total of 25 points. So we have the Pythagoras Theorem of the perfect square numbers: $9+16 = 25$.

Outside the triangle we have 10 orange points on each side for a total of 45 intersection points on the grid. If we count the blue and red intersection points on and within the triangle *downwards* and place the numbers across the top, we have 5 appearing at the apex with the numbers 1-2-3-4 on either side. While counting *across* the triangle and placing the numbers 1-3-5-7-9 down the side, we have 5 appearing at the mid-point of the grid.

The number 5 in numerological terms is regarded as the “initiation into the mysteries of the universe” - how appropriate given that 5 is central to the Golden Ratio grid. (This supports speculation that the King’s Chamber sarcophagus may have been used for initiation purposes). While on each side of the triangle we have 10 points, symbolically the hands and feet. Phi can also be expressed as $5^{0.5} \times 0.5 + 0.5 = 1.618033989$. Try this on an Excel spreadsheet.

Note that the Green cross marks the position of 5 vertical and 5 horizontal points, but as a whole we have 3 blue and 6 red points (an octave of 1:2) = 9. Nine symbolically is the number of the cycle or completion. I also regard 9 as ‘Unity’ and not 1, because all of the Base-9 numbers are fractals of nine. The lengths of the green arms of the cross are: vertically 481ft and horizontally 378ft on a ratio of 1.2724... close to the *sqr root of Phi*. Are we then looking at the cross of truth and the number of the Vitruvian Man?

Already within this article we can see what Nicola Tesla was implying when he was once quoted as saying: ***“If you only knew the magnificence of the 3, 6 and 9, then you would have a key to the universe.”***

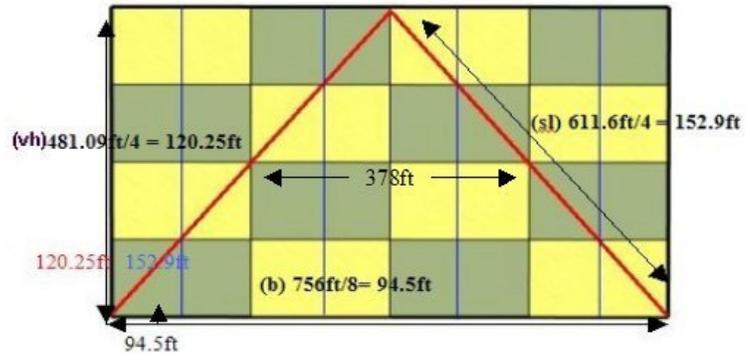
Supporting Tesla’s view is the three blue points and six red points = nine points within the green ‘Solar cross’ at the centre of triangle (GP).

The ratio of the grid and the GP triangle is $25/45 = 0.555r$. A slight segway here: I know that 555 is a significant number for Freemasons. In superficial Masonic teachings there are 5 orders of architecture and 5 senses of human nature. In reference to Masonic architecture the height of the Washington Monument Obelisk for instance, is 555ft. It has a base side measurement of $1/10^{\text{th}}$ of the height at 55ft. At the top of the monument the pyramidion is 55ft with a nine-inch tall aluminium capstone. Of interest is that in inches the height is 6660 and the base side 666.

However, getting back to the grid, if we multiply the number series across the top in (fig 2) $1 \times 2 \times 3 \times 4 \times 5 \times 4 \times 3 \times 2 \times 1 = 288[0]$. It happens that $2880/10$ is the number Reeds of the perimeter of the GP at 3024ft (ie: 10.5ft x 288R).

Secondly, if we take the total number of grid points as 45 and make them Reeds, then $45R \times 10.5ft = 472.5ft$ the intended uncapped height of the GP. If we add the height of the capstone pyramidion of 8.589ft, this is equal to the full mathematical height of the GP of = 481.09ft. Also 45R raised by 6 octaves is: $45/90/180/360/720/144/288$ and $288 \times 12 = 36288$ the perimeter of the GP base in inches. So as earlier mentioned we have achieved $288 \times 126 \times 10 = 362880$ and our complete base-9 numbering system is encoded in the GP structure.

The height of the GP can be divided by the vertical quadrants on the grid as: $481ft/4 = 120.25ft$ (vh). The base side of the GP divided horizontally as: $756ft/8 = 94.5ft$ (b). Therefore, $vh/b = 1.2724$ within 0.0003% of the Sqr root of Phi at 1.2720.



Thirdly, when the intersection points across the triangle are multiplied ($1 \times 3 \times 5 \times 7 \times 9$) = 945. Embedded within the grid harmonics are the 45 intersection points of which 20 are outer points and 25 represent the pyramid on a ratio of 9:4:5. Note the correspondence here of 94.5ft, 945 and ratio 9:4:5.

Also the 8 base grid sections $\times [1 \times 3 \times 5 \times 7 \times 9]$ is harmonically equal to the base side of GP 756[00]ft and also $945/10 = 94.5ft$ (b). Or we can count along the base 8 segments using the Ancient Reed of 10.5ft $\times 9 = 94.5ft \times 8 = 756ft$. Both 8 & 9 are potent cyclic numbers, where 72×360 is the precessional number of 25920years.

The slant height of the GP can also be divided similarly as $611.6ft/4 = 152.9ft$ (sh). Therefore, (sh)/(b) = **1.618 rounded Phi**.

As a part of the new Millennium celebrations Egyptologist Dr Zahi Hawass supported the placement of a capstone on top of the GP. The event was cancelled amidst an air of controversy. Amongst the various theories, it has been suggested that the ceremony may have caused concern about Masonic agendas or the fulfilment of Edgar Cayce's prophecies. The capstone was reported as having dimensions of 13.5ft base and 8.589 ft height. These dimensions are $1/56^{th}$ of the total pyramid. Again a highly significant harmonic, given our DNA has the pentagon and hexagon geometry. Significant also for the Precessional cycle of 25920yrs is locked into a ratio of 5:6 to the equatorial distance of the earth of 21600 minutes of longitude. (ie: $21600/4320 = 5$ and $25920/4320 = 6$).

The pyramidion base of 13.5ft is also harmonically interesting in that it relates to the Sun's diameter, again using octaves: 13.5-27-54-108-216-432-864 (ie: up 6 octaves $\times 10^3$) and half the base side of GP by adding 2nd, 3rd & 4th octaves $54+108+216 = 378ft$.

Pi & Phi encoded in Great Pyramid

In Ed Oberg and Jay Johnson's "Phi-Pi Product" research, they noticed a 'Golden Circle' relationship reflected in the GP where the diameter of a circle is Phi of 1.618033, then the circumference is Phi x Pi or 5.0832.

In the squaring of the circle, the perimeter of the GP is $3024ft \times 5.0832 = 15371.6$. Again 5 is back into the picture, because 5 octaves down is 480.36ft within 0.001% of the full GP vertical height at 481.09ft. So if we take the slant height $611.06ft/5.0832 = 120.32 \times 4 = 481.27ft$ slightly over 481.09ft and close to the (vh)120.25ft within the grid.

Nineveh Constant

One of the most important constants I like to use in harmonics on a larger scale is the Nineveh Constant discovered in the Nineteenth century on a clay tablet from the Library of King Assurbanipal in Nineveh. The puzzle was why would a 'primitive' culture bother with such a large 15-digit number that represents 70×60 , multiplied seven times or 1959552×10^8 (NC)? Maurice Chatelain a NASA scientist decoded the NC as representing one revolution of our Galaxy in seconds or 2268,000,000 days. Chatelain says, "*the Library of Nineveh is a collection of all the science and history known at that time, assembled from all previous civilizations.*" This is highly relevant to the GP harmonics, given that $756 \times 25920\text{yrs}$ precession = 1959552 and the decimal angle of the GP is $51.84^\circ \times 1/2\text{base}$ side of GP = 19595.52

Using the uncapped height of the GP and the (NC) $1959552/472.5\text{ft} = 4147.20$ - the result doesn't appear to relate at all, but the harmonic octaves are highly revealing:

$41472/20736/10368/51840/2592/1296/648/324/162/81$ and therefore you can appreciate that the uncapped height of the GP is an important cyclic harmonic associated with the Galactic cycle. The diminished overtones of the octave highlighting the GP decimal angle at 51.84° , the precessional numbers (12960yrs & 25920yrs), rounded Phi 1.62 and $9 \times 9 = 81$ as the fundamental.

In reference to another constant the Speed of light "officially" measured at 186,242 mps we can apply the NC and show a relationship to the Reed measure. However, I prefer the ancient time number of $432 \times 432 = 186,624$, given that the speed of light has changed over time and within 0.002% of the so-called "official" speed. When applied harmonically $186624 \times 105 = \text{NC}1959552[0]$ and harmonically we have our 10.5ft or 1 Reed.

In addition $\text{NC}1959552/288\text{Reeds} = 6804$ the exact number of days for the lunar nutation cycle. In addition this puts a different harmonic interpretation of the uncapped height of the GP and the moon monthly cycle 29.53125-days. Martin Doutre a New Zealander, has done extensive work on links between Stonehenge and the Great Pyramid and says of Stonehenge: "*This value of 472.5 days was also integral to the ancient method of measuring the 18.613-year lunar nutation cycle, which was calibrated to endure for 6804-days (230.4 lunar months of 29.53125-days or 14.4 time periods of 472.5-days duration).*" Note the Golden mean grid $16 \times 29.53125 = 472.5$.

Stonehenge

Remarkably, the Aubrey circle at Stonehenge has 56 holes spaced 16.1ft apart. The 56 holes or pits are named after the 17th century antique collector John Aubrey and were discovered by archaeologists in 1920. The diameter of the circle is an average of 288ft. Note that the GP Grid of 16 rectangles provides the basis of the uncapped height as $1/16^{\text{th}}$ of the base side of the GP $756\text{ft}/16 = 47.25 \times 10 = 472.5$. So the 288 harmonic is encoded in both the base of the GP and at Stonehenge demonstrating a relationship with the lunar cycle.

While there's speculation about the 56 holes purpose, one theory is that it relates to the tracking of the sun and moon cycles. This is achieved simply by shifting a marker a distance of 2 holes anticlockwise every day for the moon (2×26) and two holes clockwise every thirteen days for the sun ($4 + 52$). So it's interesting that the theoretical GP pyramidion is $1/56^{\text{th}}$ of the total size of the GP. So could it be that the capstone pyramidion symbolically and harmonically represents the cycle of the two celestial bodies? This is very possible since $56/13\text{days} = 4.3 \times 28\text{days} = 120.4 \times 4$ (2 holes for each celestial body) = 481.6 an extremely close harmonic to the full GP height of 481.09ft. So we could infer that to the 472.5ft height marks the lunar cycle while the capstone base measurement represents the sun cycle.

Galileo's Gravity Constant

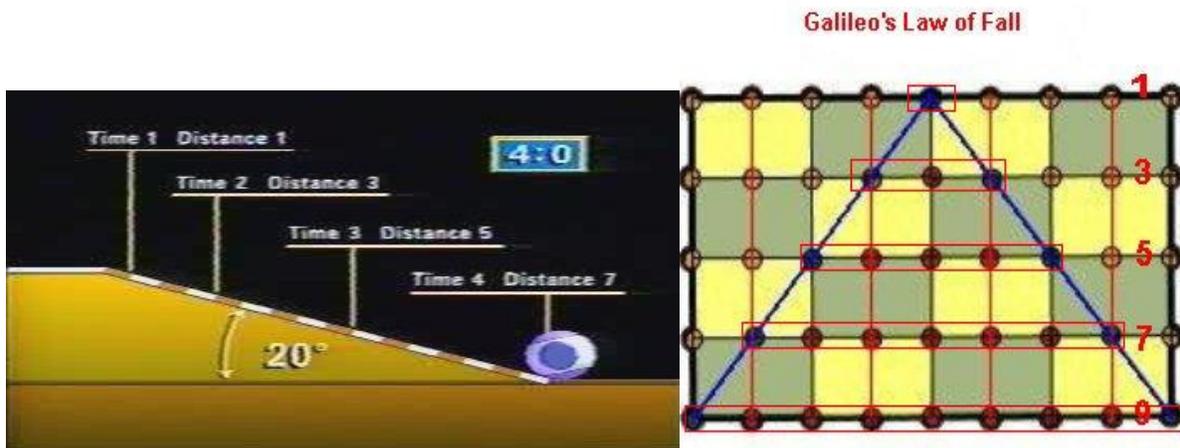
In looking for links and ways of using the GP grid I came across Galileo's Law of Fall in relation to gravity. Any mass (regardless of size) will fall at a speed in the first second from rest approximately 16ft, then accelerates at 32ft per second, per second. So you can see already I am making a connection with the idea that the GP grid must incorporate gravity.

It should be noted before continuing that Galileo died in 1642 the same year that Sir Isaac Newton was born. While Newton is regarded as the 'Father of gravity', it was Galileo's work on forces that helped Newton develop his idea of dynamics.

A mass falling from rest 16ft or 192inches in the first second is harmonically important. For $192 = 3$ to the 6th octave (ie: $3/6/12/24/48/96/192$). In octave terms, 3 is a fundamental note, while 6 and the 6th octave are regarded as the 'work number' in the universe.

Galileo found that a ball rolling down an incline, in the 2nd second of its travel, goes a distance three times greater than it travels during the first second. In the third second it will travel a distance five times that of the first second; in the fourth second it will travel a distance seven times that of the first second. The distance covered is directly proportional to the square of the time as shown in table below:

Total Distance	Time	Distance Covered	Time Difference Squared
1	1	1	$(1)^2 = 1$
2	2	4	$(2)^2 = 4$
3	3	9	$(3)^2 = 9$
4	4	16	$(4)^2 = 16$
5	5	25	$(5)^2 = 25$



In the right hand graphic you can see within the pyramid triangle with 25 intersection points that we have Galileo's odd number distances encoded as 1-3-5-7-9 representing 5 seconds of fall or 400ft. I mention this because $400\text{ft} + 81\text{ft}(9 \times 9)$ is the full GP height. Where the equation for Distance for a given time is: $[x = gt^2/2]$ and $g = 32\text{ft}$ and $t = (5)^2$ therefore: $32\text{ft} \times (5)^2/2 \quad x = 400\text{ft}$.

Again if we use the NC and Galileo's 'odd number' fall for an object over 6 seconds, then: $1959552/1357911 = 1.4430$ and harmonically 1443 is $3 \times 481\text{ft}$. If we use 481.09ft as the radius of a circle and apply $2 \times \text{Pyramid Pi}$ of $22/7 = \text{circumference of } 3023.99\text{ft}$ or the GP perimeter base, squaring the circle on a ratio of $7/11$ or $0.63636363 \times 756\text{ft} = 481.09\text{ft}$.

We can also apply the GP indents of $378\text{ft} \times 6$ over the NC $1959552/2268 = 864$ again a harmonic of the Sun's diameter of 864×10^3 .

Ancient Reed Measure

The Hebraic cubit is one foot nine inches i.e. 21 inches.

Ezekiel, in describing the New Jerusalem, said: *“And behold, there was a wall on the outside of the temple all around, and in the man's hand was a measuring rod of six cubits, {each was} a cubit and a handbreadth.”* The standard cubit is 6 handbreadths or 24 fingers x 0.75inches = 18inches. While a cubit and a handbreadth is the Royal Cubit or 28 fingers x 0.75 = 21 inches x 6 = 126 inches and equal to one Reed.

In Indian research on linear measurements for sacred temples, T.L. Subash Chandira Bose said: *“to measure the temple there is an another verse in Rig Veda book 10: “Purusa, who had a thousand heads, a thousand eyes, a thousand feet, investing the earth in all direction exceeds (it by a space) measuring ten fingers.Considering the sacred number seven if we try to select a linear scale: Seven times that of ten fingers and by six times the measurement of the reed would be 10 x 7 x 6 = 420 fingers or 315 inches. Interestingly an ancient linear measuring scale (1200 A.D), Nilamalantha kol (stick used to measure the lands), with two plus (+) marks having total length of 157.5 inches was found in Thiruchendurai temple situated at Jeeya Puram, Trichirapalli district, Tamil Nadu (Thanks to Dr.Kazaikovan). We surprised to observe 157.5 inches is half of 315 inches.”*

Note that the 25 intersection points of the pyramid in the GP grid expressed as 25 reeds in inches = 315[0] and that the factors of the Nineveh Constant are 6, 7, and 10 seven times.

If we use the Pythagoras theorem 3-4-5 and multiply each factor by 56 (the 1/56th GP pyramidion) 168+224+280 = 672 and using Tesla's quote and the 'universal work number '6', we go down 6 octaves and find: 672-336-168-84-42-21-10.5 the ancient Reed measure in feet.

Galileo and the two seconds Pendulum

During Sunday church service Galileo was watching a chandelier lantern swinging in the breeze. He counted the oscillations and found they did not vary with the strength of the breeze. Obviously the Priest's sermon wasn't very inspirational if he was counting swings of a lantern. However, the observation did inspire him to investigate the physics of pendulums.

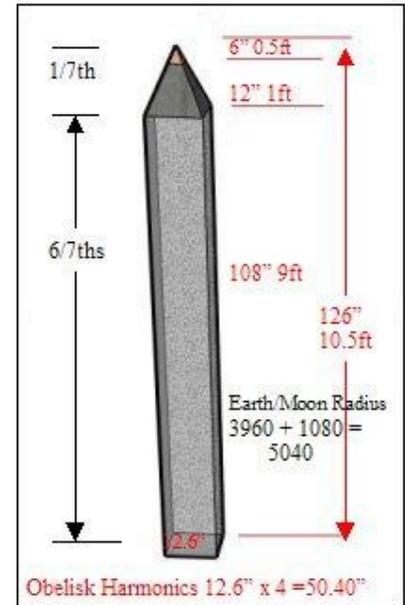
In his study of gravity, motion and time, Galileo found that a pendulum moves back and forth in an arc in two seconds when the pendulum is set from the fulcrum at 39.1 inches or 3.25ft or 993.14mm. Galileo noted that the period is independent of the mass of the bob, and proportional to the square root of the length of the pendulum.

This is speculation on my part, as the origin of the Ancient Reed measure of 10.5ft is not known. However, an advanced ancient culture from which it is borrowed or passed down may have used time and gravity as a quantum measure – the square root of 10.5ft is 3.24..... very close to 3.25ft. Also a 'simple' pendulum calculation reveals the length of the GP height 481.09ft at the acceleration of gravity of 32.1302165 fps² at 30 degrees latitude has an oscillation period of 24.3seconds. Harmonically relating to the base of the GP as 3024/24 =126 and one Reed of 126 inches. (Note: gravity is not a constant and varies with location. However, the 2- seconds pendulum was used to determine the measure of a meter by the French during the Renaissance period.)

Practical Application

After having read all the detail, one can rightfully question the practical application of all this information. So to properly honour the knowledge presented, the following is an example:

Many areas on the planet are suffering from drought and lower rainfall. I believe this is partly due to de-forestation and therefore a lack of ionisation of the air. In cities particularly, there is more concrete than natural vegetation. To offset such affects, one could build obelisks 10.5ft high, with 1/10th base side. The pyramidion 1.5ft high topped by a metallic capstone. The proportions are then, 9ft (108in) for the base height, 12inches for pyramidion and 6inches for the 'capstone'. The base perimeter is 12.6inches x 4 = 50.4in (a harmonic of the radius Earth 3960 + Moon 1080). The proportions of the base are 6/7ths of the height and pyramidion 1/7th. The obelisks to be constructed from a dielectric material, such as, crushed granite or quartzite. The obelisks must be positioned over underground watercourses. Thus ionising the air and attracting rainfall like a giant negative ion generator.



Conclusion

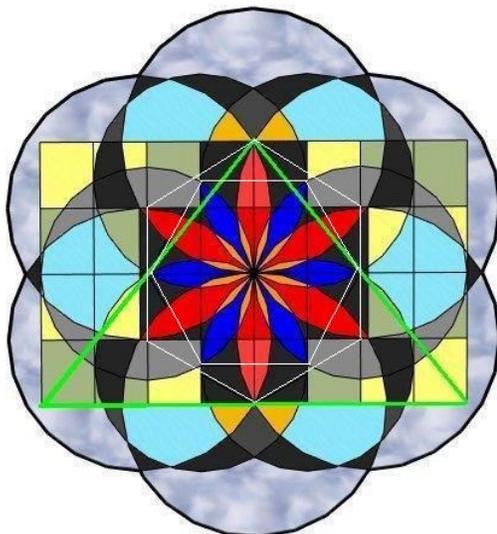
If one is to look holistically at this article we could conclude where it started - with the layout of the Borobudur temple grid squares of 9x9 - the Mandala of the cosmos. We can take each layer of that grid: 9-16-24-32 and show that we have the 9+16 = 25 Pyramid and 24+32 = 56 the capstone pyramidion at 1/56th of the GP. Or we can recognise the 24 as the path in seconds of the simple pendulum - the fulcrum at the height of the GP.

The pyramid builders obviously knew this galaxy extremely well given the harmonics at play here and able to combine various cycles into the geometry of the Great Pyramid:

For example, the Nineveh Galactic Constant $1959552/\text{speed of light}@186624 = 10.5$ [1 Reed]
 $186624/25920\text{yrs} = 7.2$ [1 degree of precession is 72yrs x 360 = 25920]
 $186624/360 = 518.4$ [the cycle & 51.84 the decimal slope of great pyramid divided by 10].

To demonstrate the power of Phi and the grid triangle numbers 9-16-25 using the Speed of light = $186624/9 = 20736/16 = 1296/25 = 51.84$ the decimal angle of the slope of the GP.

GP Golden Grid - Hexagon Flower of Life



In the image opposite I have overlaid many of the elements in this article to demonstrate that the geometry and maths also have a natural beauty. The GP grid and cross with the Flower of Life have two hexagons in common. The inner hexagon forms the blue petals representing GP base side with a radius of 189ft and a perimeter of $6 \times 189\text{ft} = 1134\text{ft}$.

While the outer hexagon with red petals represents the full vertical GP height with a radius of 240.5ft and a perimeter of $240.5\text{ft} \times 6 = 1443\text{ft}$. Amazingly we get $NC1959552/1443 = 13579\dots$ Galileo's Law of Fall.

While $NC1959552/1134 = 1728$ is twice the sun's diameter and spawns other octave overtones of $1728/864/432/216/108/54/27$ again 6 octaves down we have the fundamental of 27 (9x3). (It's a reminder of Tesla's quote).

This demonstrates the nature of harmonics, maths and geometry resonating on a solar and galactic scale. While at the micro level the hexagon is the structure of choice of honeybees that pollinate the flower of life at the virtual centre of the pyramid. According to Egyptian mythology, bees were created when the tears of the sun god Ra landed on the desert sands. You can visualise a mirror image of a bee sitting on the flower above with an orange/grey tail and blue wings.

From the Reed measurement and the harmonics one can draw the conclusion that the GP was intended to have a flat top at 472.5ft and I tend to believe it was not designed to have a pyramidion capstone. For at $1/56^{\text{th}}$ of the total GP perhaps our DNA is the capstone. Quoted in Psalm 118:22 "*The stone rejected by the builders was chosen by God, the chief builder, to be the head cornerstone.*" (A capstone perhaps? Also are the scriptures plagiarising from an earlier Egyptian quote?)

The Phi geometric grid and the embedded odd number series of Galileo's Law of Fall seems to imply that gravity maybe a product of the spiral as a torsion field. It brings to mind an earlier comment on the spine and the opposite rotation of the double spiral Kundalini.

What I have presented in this article is an eclectic mix of music, maths, myths and metaphysics. But I hope that the reader can get a sense of science merging with metaphysics. Each of the parts has a common quality, that of periodic resonance or vibration - that the universe and our place in it, is very much a product of the ever changing matrix of creation.

I've only scratched the surface in relation to the study of harmonics. It is an area where the knowledge has either been lost or suppressed. Yet the harmonics are present in everything and up to us to recover this knowledge. I hope by reading this article you will get the sense that the ancient ones understood their environment and it's time for us to reclaim and use the knowledge if we, and the planet are to progress.

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