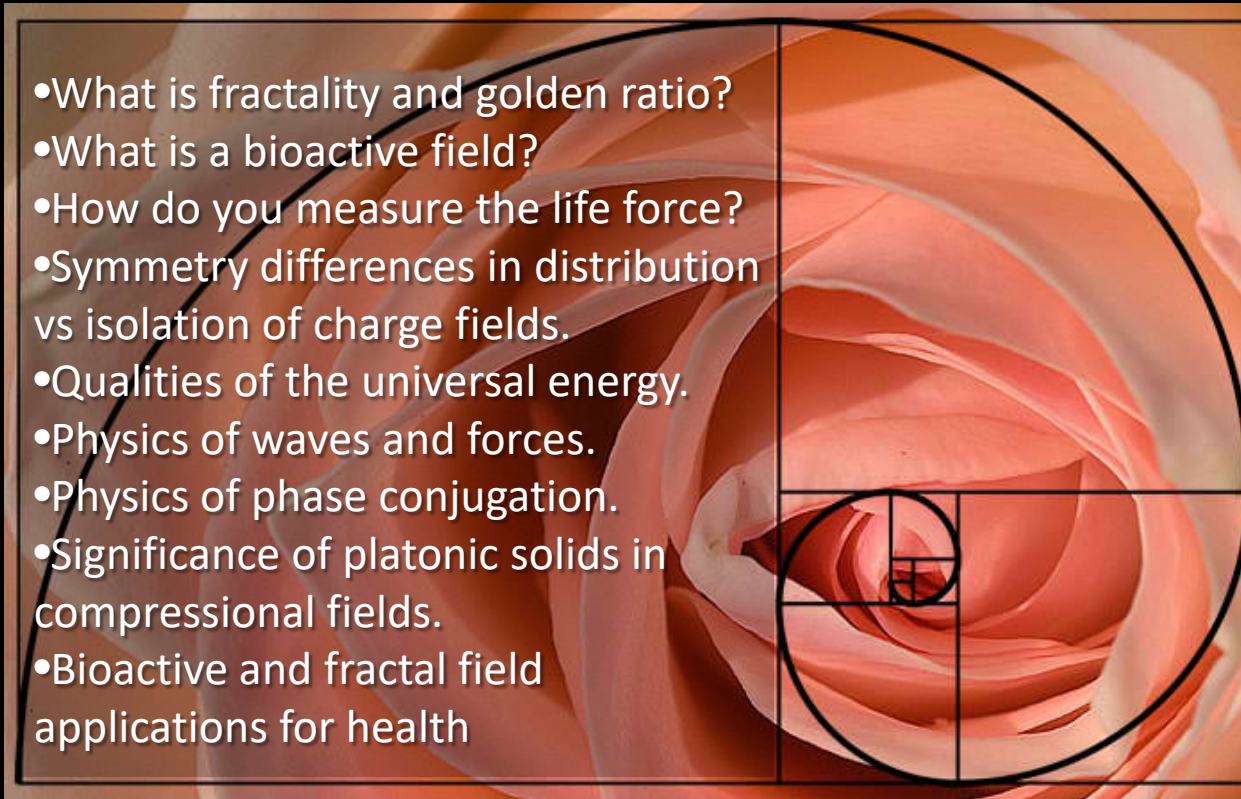


# Fractal Explorer

---

- What is fractality and golden ratio?
- What is a bioactive field?
- How do you measure the life force?
- Symmetry differences in distribution vs isolation of charge fields.
- Qualities of the universal energy.
- Physics of waves and forces.
- Physics of phase conjugation.
- Significance of platonic solids in compressional fields.
- Bioactive and fractal field applications for health

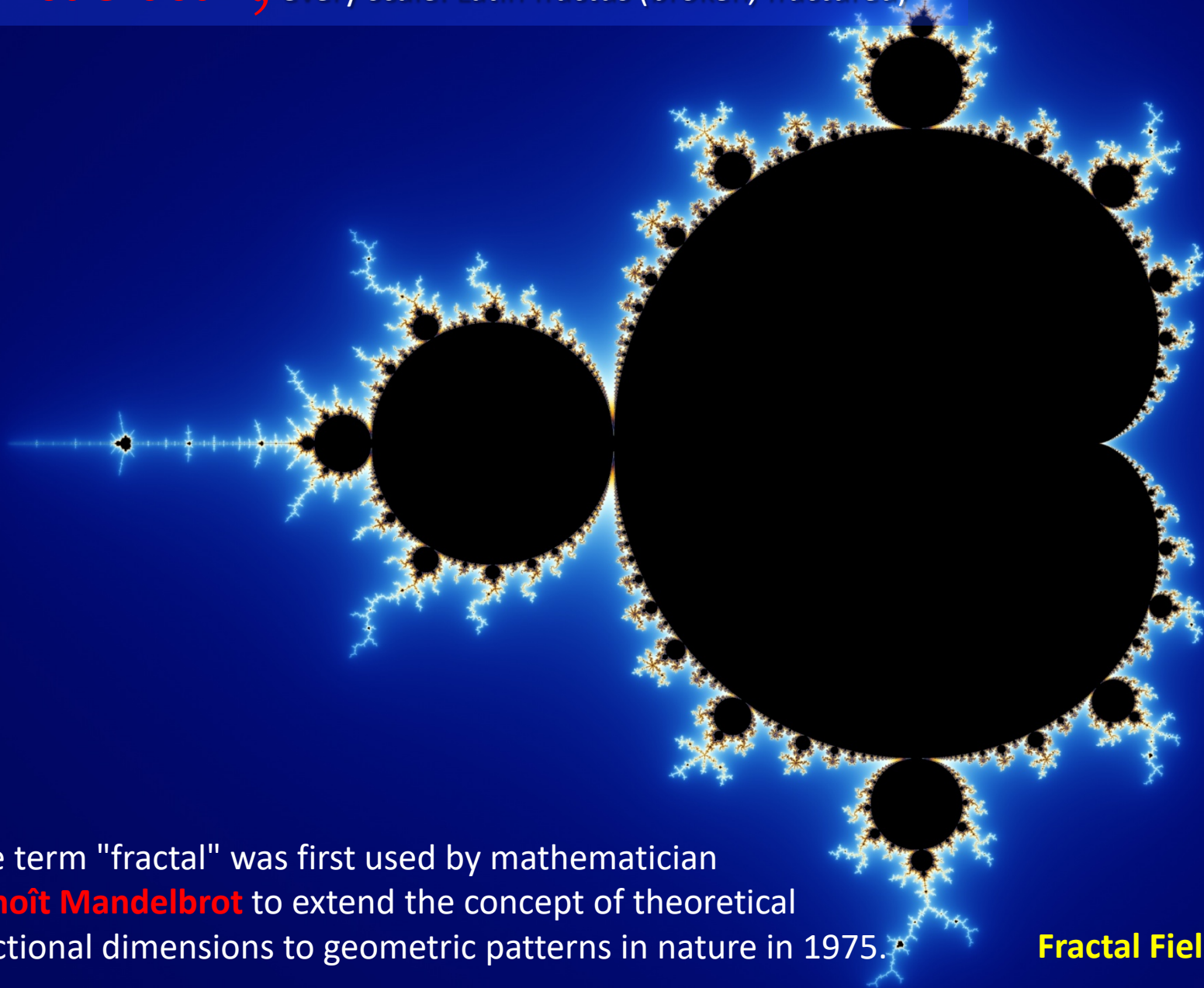


**Sunday Feb 26, 2017**  
**for Fractal University**  
**[www.fractalU.com](http://www.fractalU.com)**

**Presented by Tufan Guven**



**Fractal**; (math) A geometric pattern that is repeated at every scale. Latin fractus (broken, fractured)



The term "fractal" was first used by mathematician **Benoît Mandelbrot** to extend the concept of theoretical fractional dimensions to geometric patterns in nature in 1975.

**Fractal Field Science**



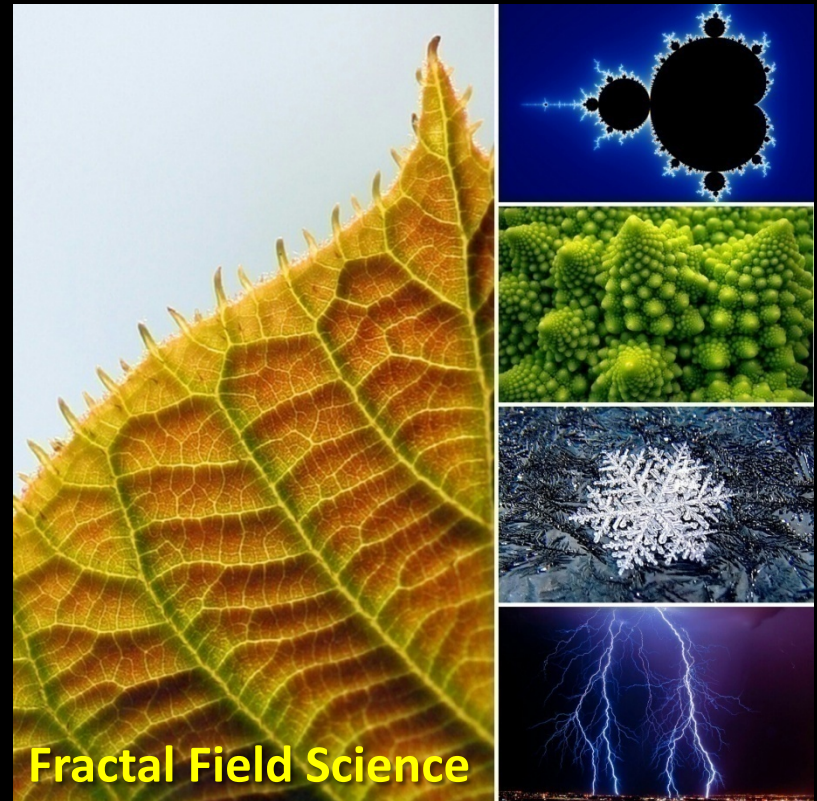
**Fractal;** is a geometrical/mathematical set that exhibits a repeating pattern displayed at every scale.

### Self Similarity

If the replication is similar at every scale, it is called a self-similar pattern. The peaces or components that make up a self similar object, are similar to the whole.

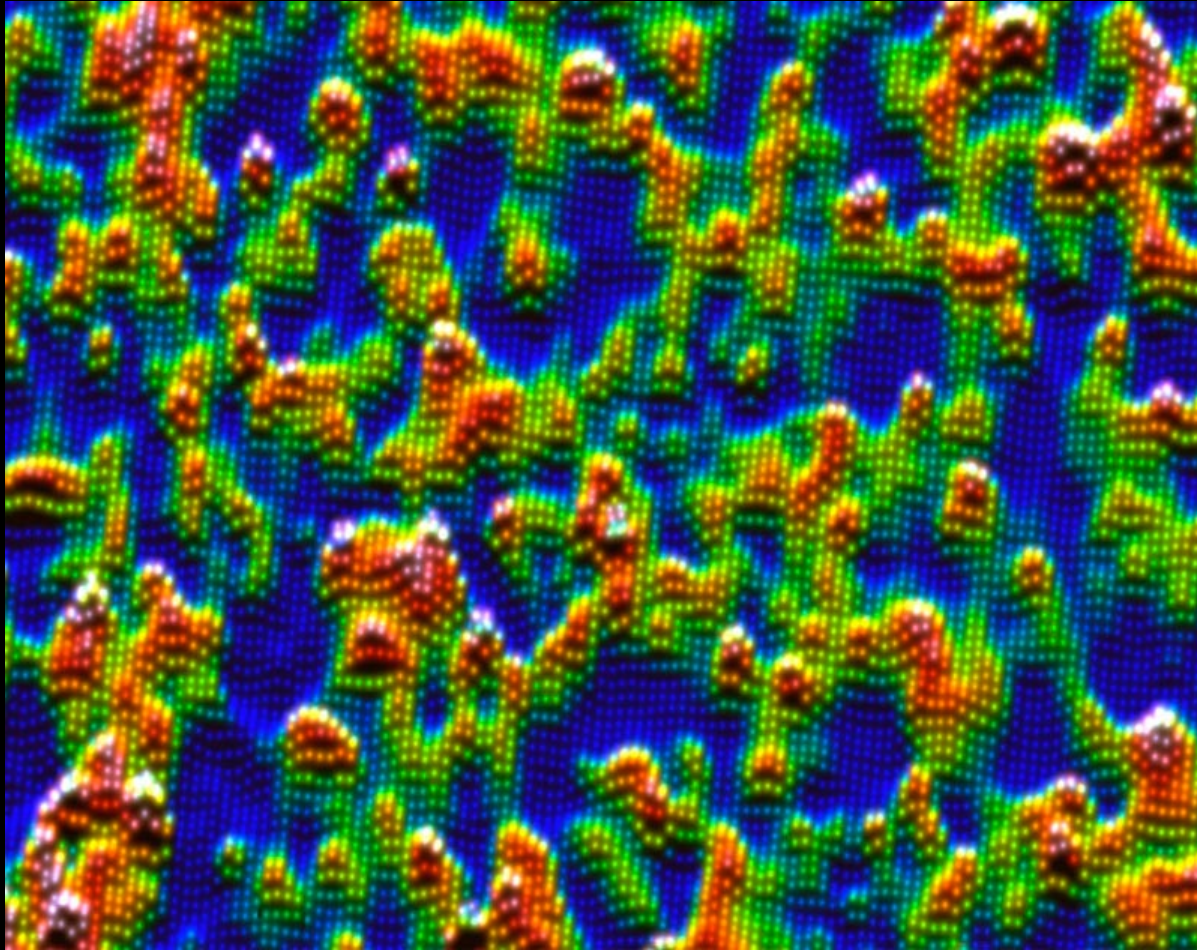
### Repetition

Unorganized details and patterns repeat themselves in smaller scales. When any peace of any peace is magnified, it resembles the whole. This characteristic can be observed in a snow flake or bark of a tree easily.



# Fractal Patterns in Quantum Field

The interactions of waves emitted by the electrons.



Yazdani Group Project, Princeton University, USA



# Fractal Patterns through Branching (Dendritic Forms)











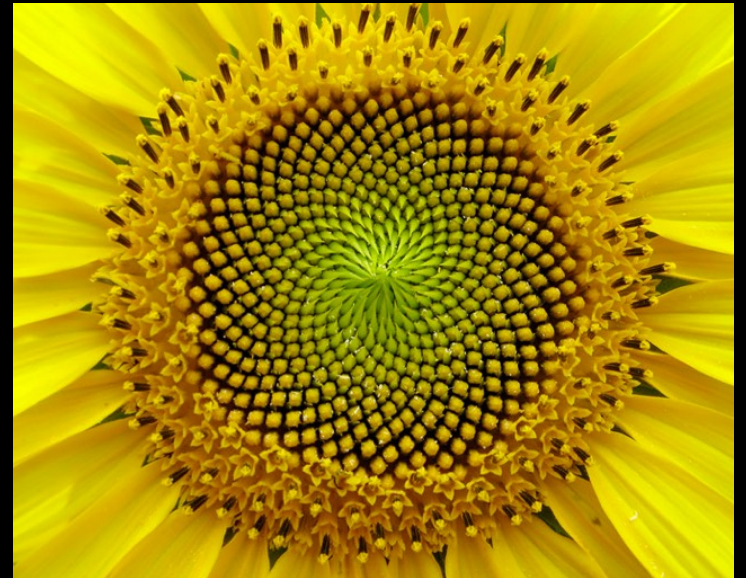
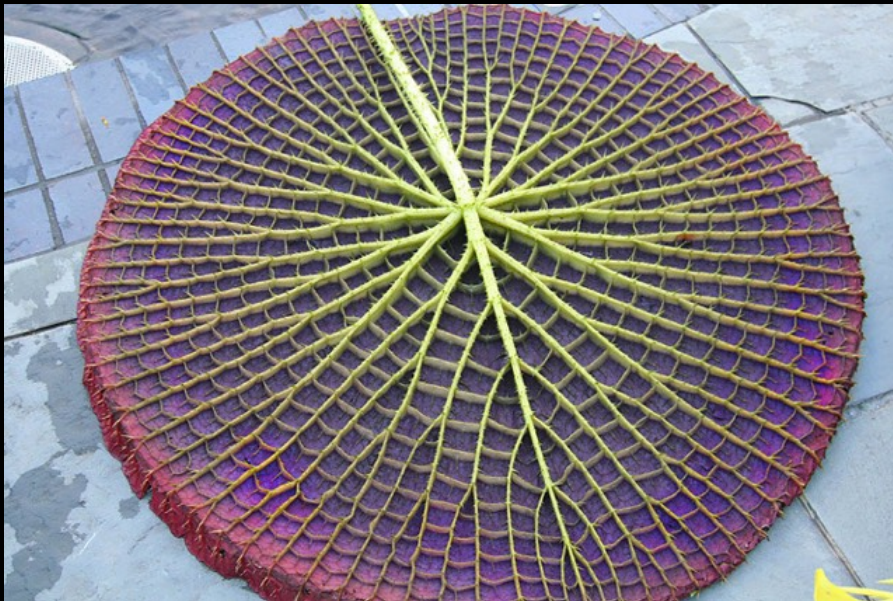




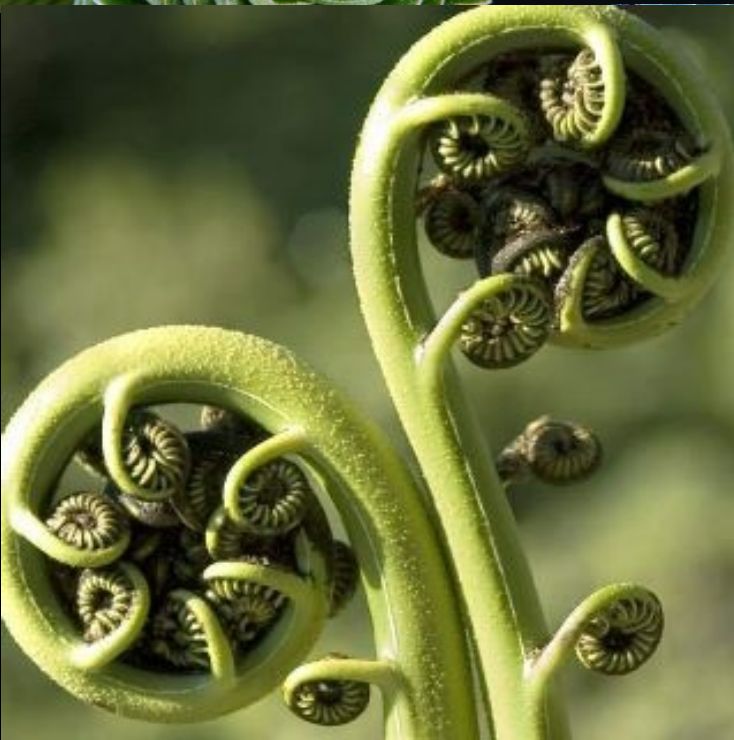






















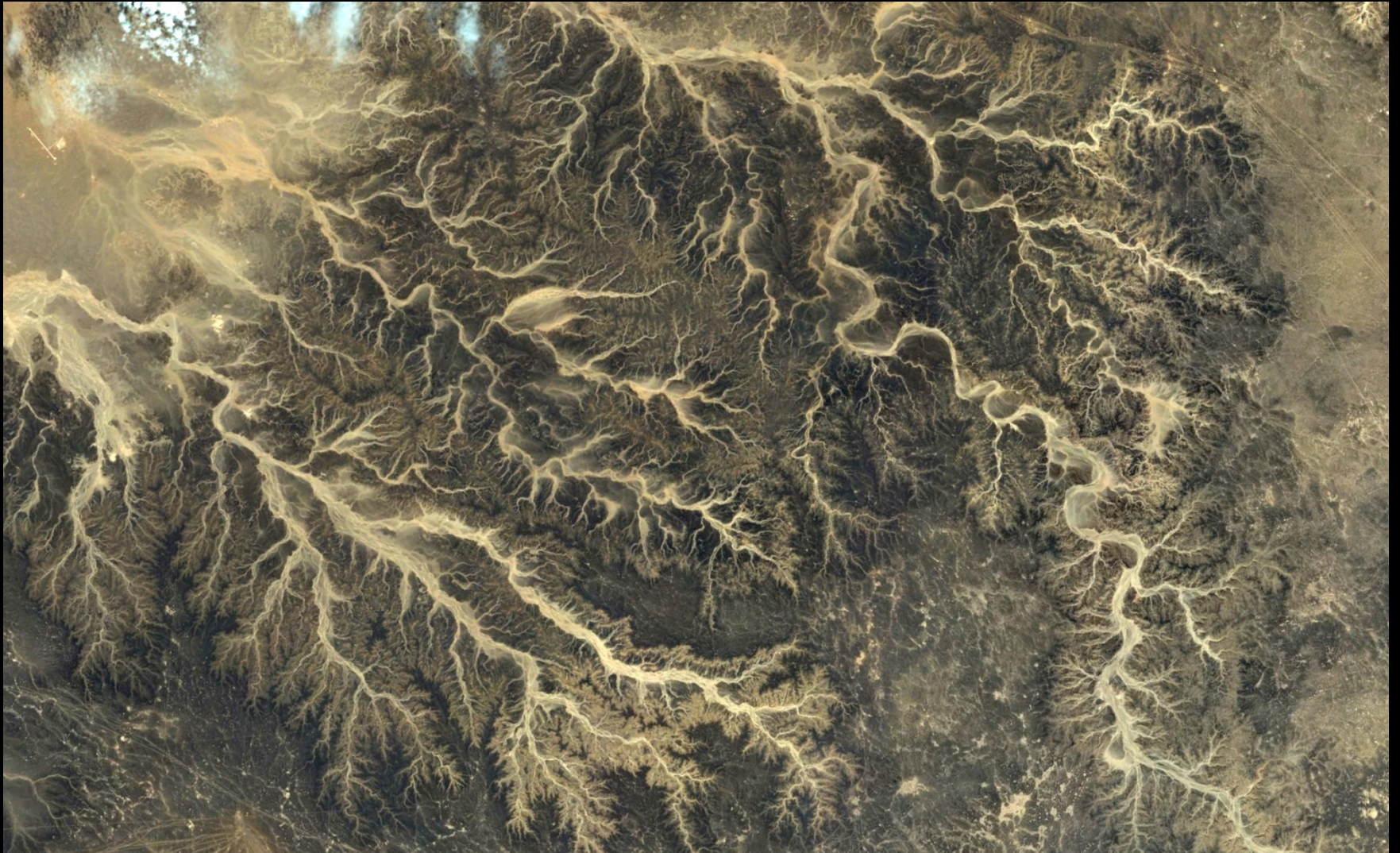


























# Fractality in Architecture

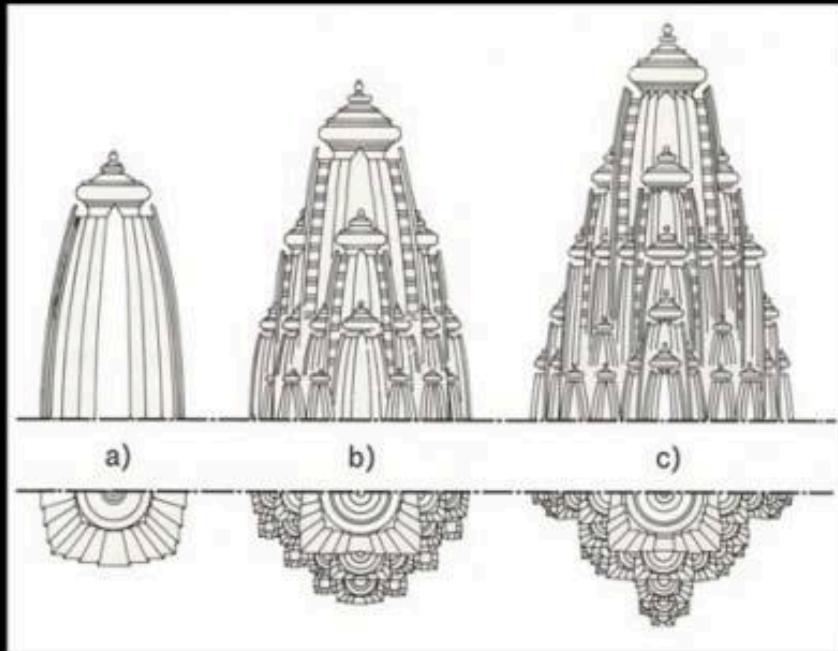
---



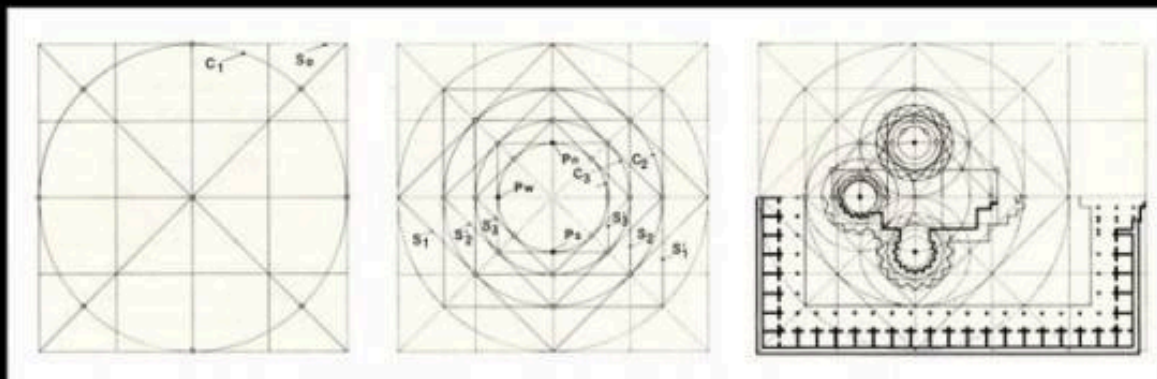
Virupaksha Temple, India



# Fractality in Architecture



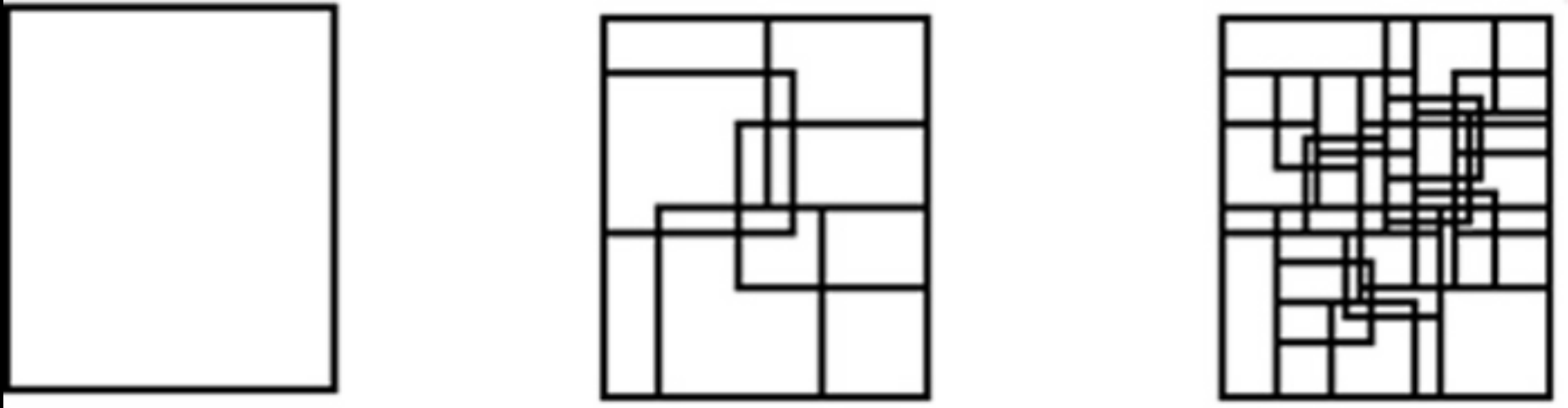
Indian Temples -Self-similarity & 3D Fractal - Khajuraho temple, India





# Fractality in Architecture

---





# Fractality in Architecture

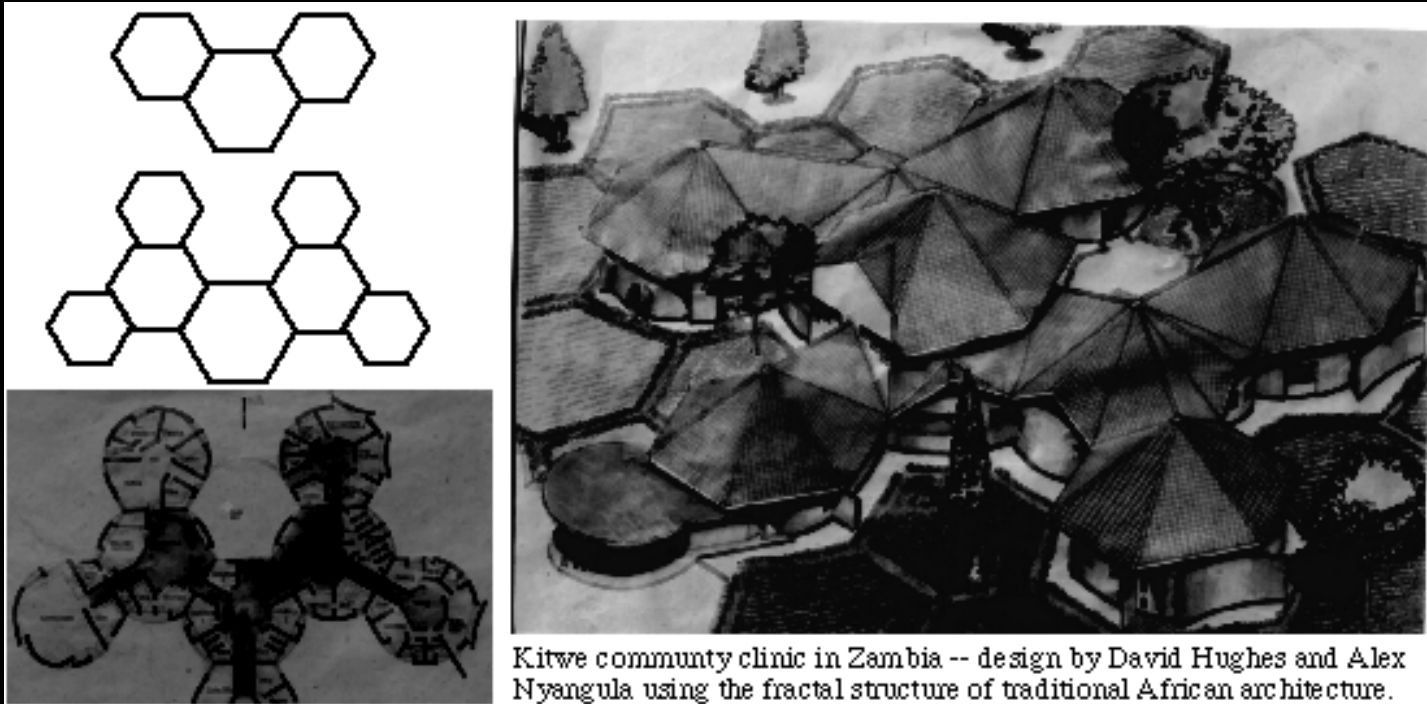
---



Cameroon, Africa  
Mokoulek Settlement



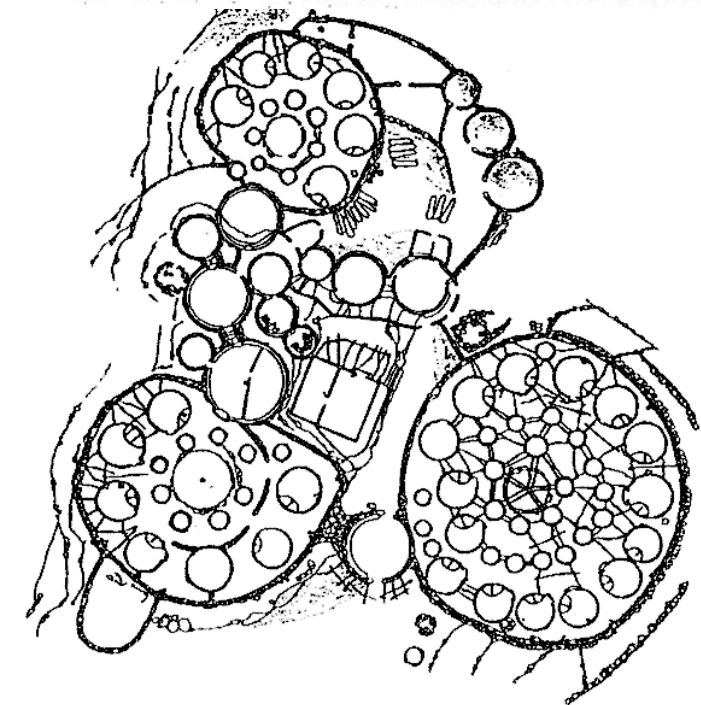
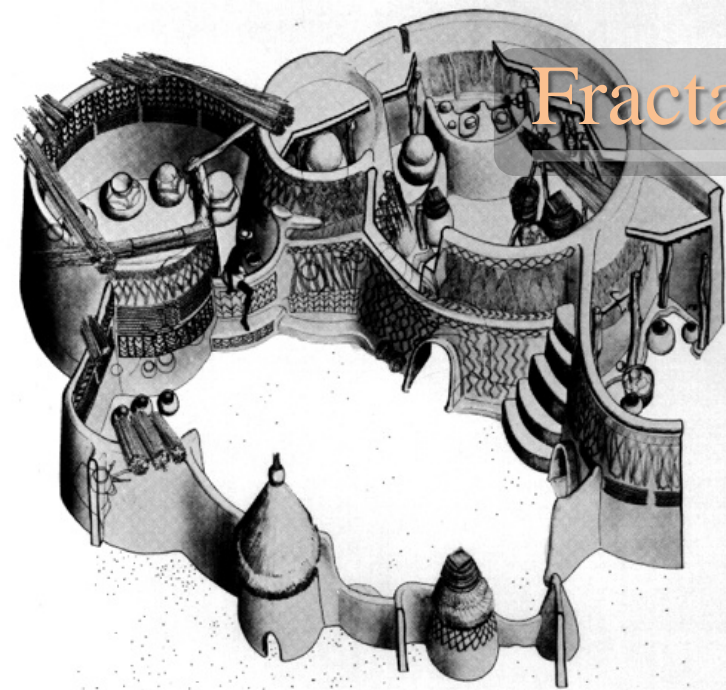
# Fractality in Architecture



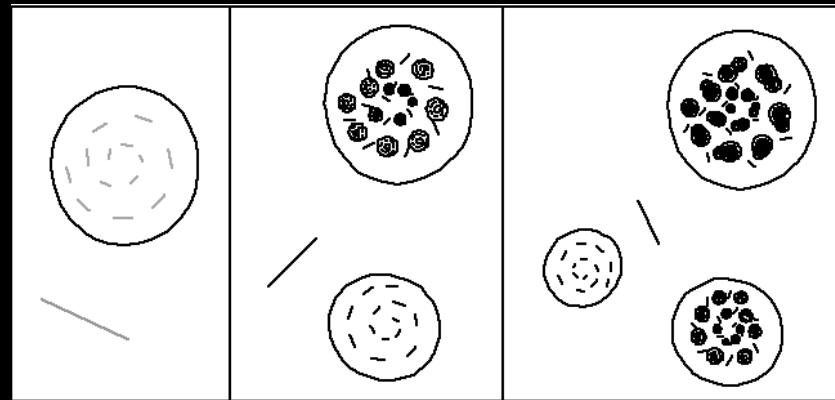
Kitwe community, Zambia, Africa



# Fractality in Architecture

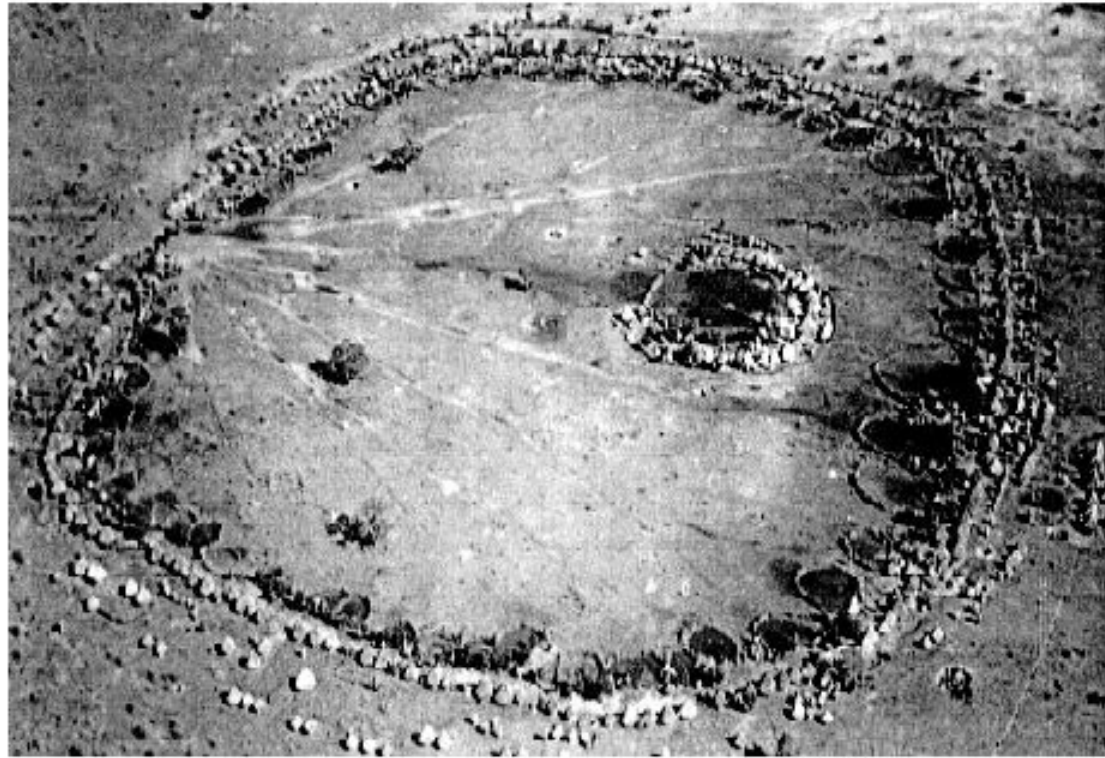


Logone-Birni, Cameroon – Africa.





# Fractality in Architecture

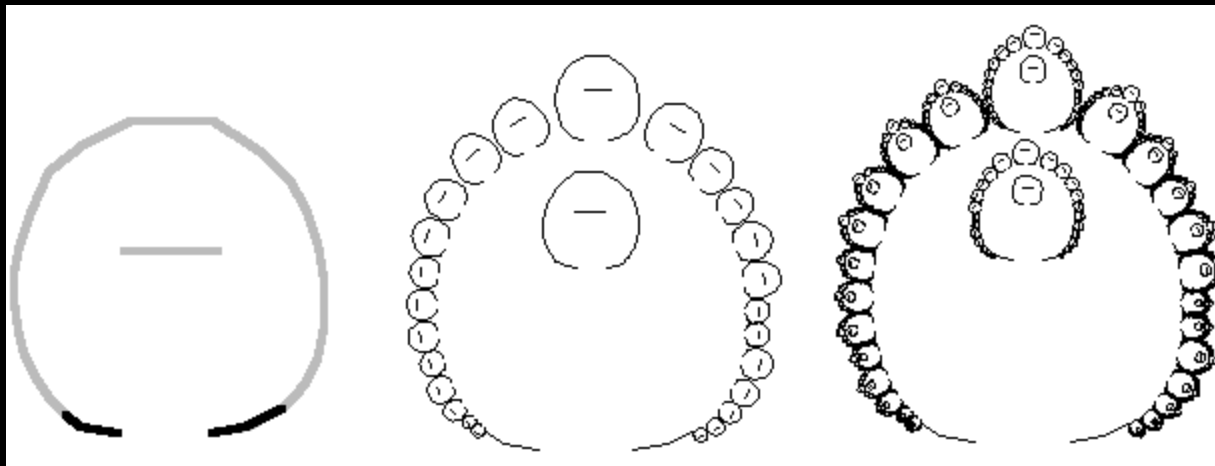
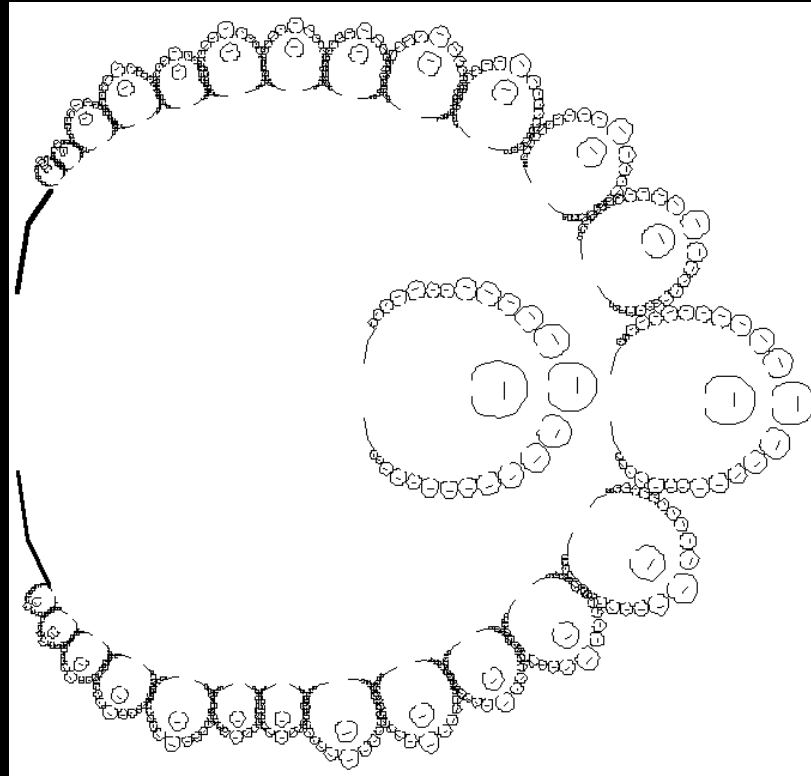


Aerial photo of Ba-ila settlement, before 1944.

Ba-ila settlement, Africa.



# Fractality in Architecture



# Fractality in Architecture

Search



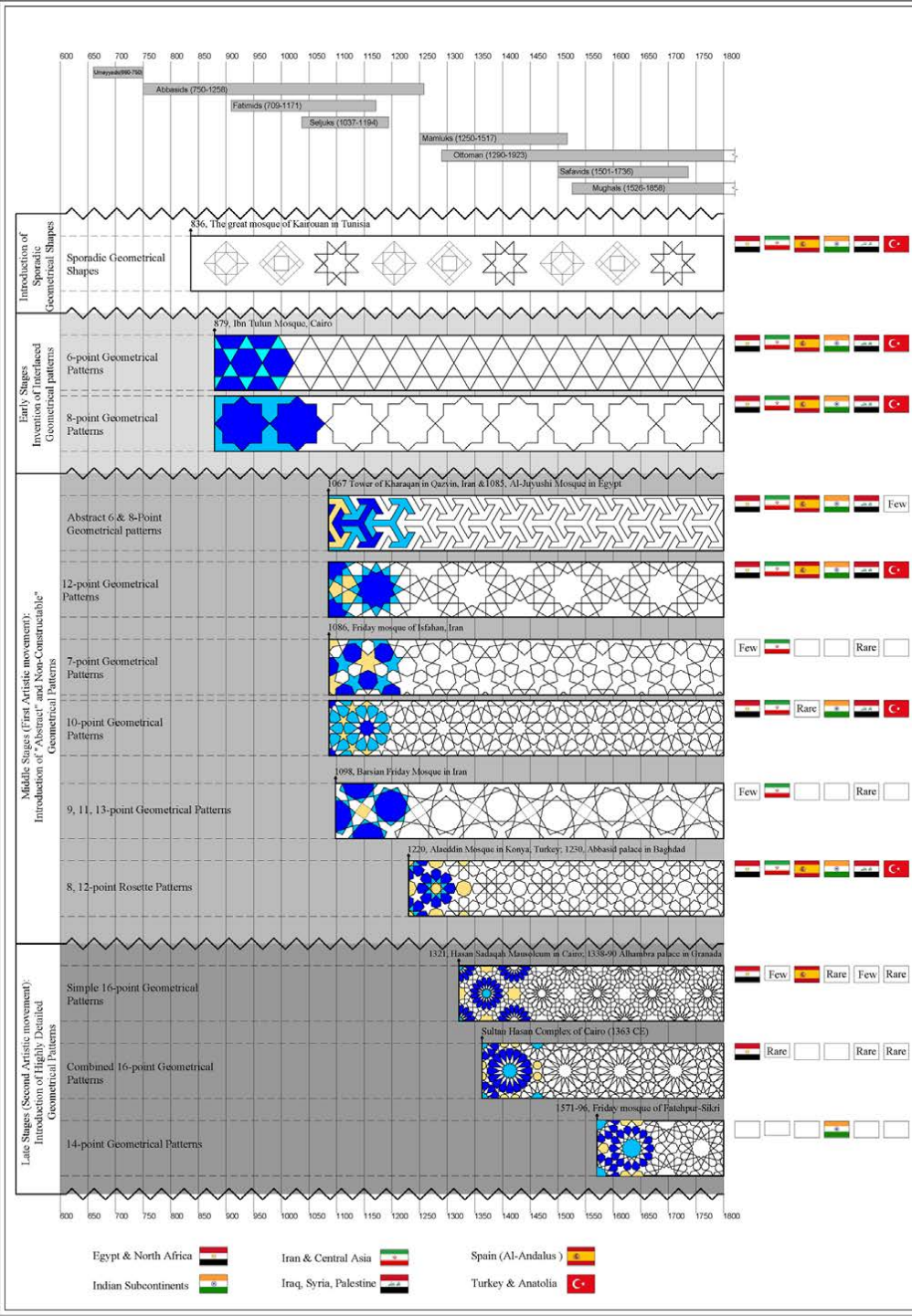
The video player shows a man with glasses and a patterned shirt speaking at a podium. The text 'JUNE 2007' and 'ARUSHA TANZANIA' is overlaid on the video. The video progress bar shows 0:26 / 16:51. The video title is 'Ron Eglash: The fractals at the heart of African designs'. The video has 79,031 views and 783 likes. The video was uploaded on Dec 7, 2007. The description is: 'http://www.ted.com "I am a mathematician, and I would like to stand on your roof." That is how Ron Eglash greeted many African families he met while researching the fractal patterns he noticed in villages across the continent.'

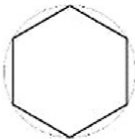

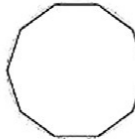
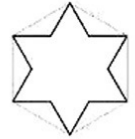
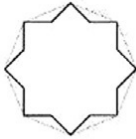
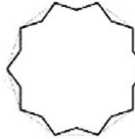


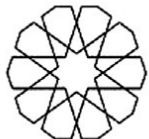
Up next

- timbre rosod
- fractal patterns
- fractal patterns
- fractal patterns
- fractal patterns
- fractal patterns



# Evolution of Islamic Geometric Patterns



6-point Geometrical pattern	8-point Geometrical pattern	10-point Geometrical pattern
		
Hexagon	Octagon	Decagon
		
6-point Star	8-point Star	10-point Star
		
	8-fold Rosette	10-fold Rosette

Source: Yahya Abdullahi, Mohamed Bin Embi  
University of Technology, Malaysia

# Fractality in Architecture

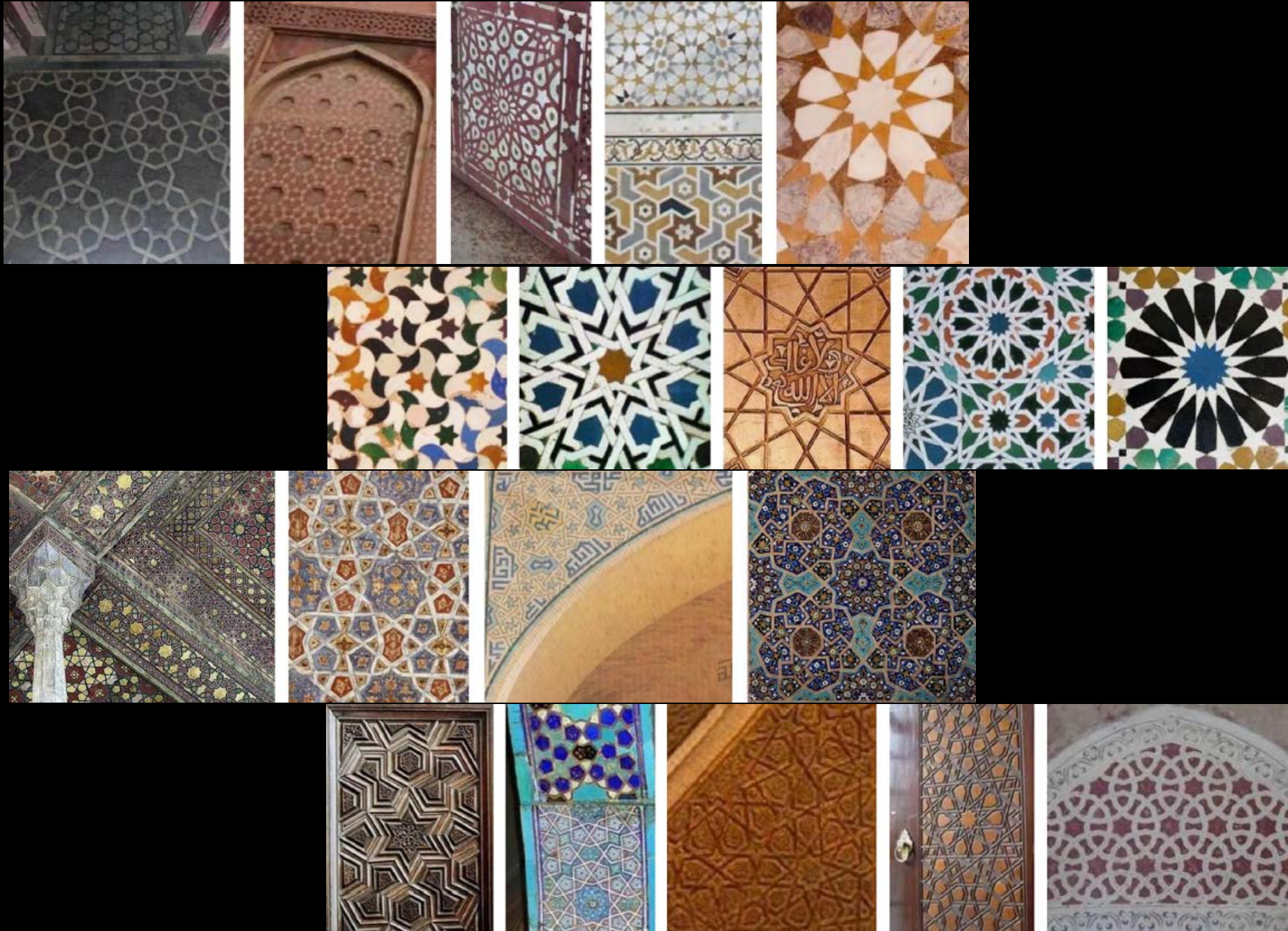


Great Mosque of Kairouan, Tunisia  
Year: 670, Abbasid Caliphate





# Fractality in Architecture





# Fractality in Architecture

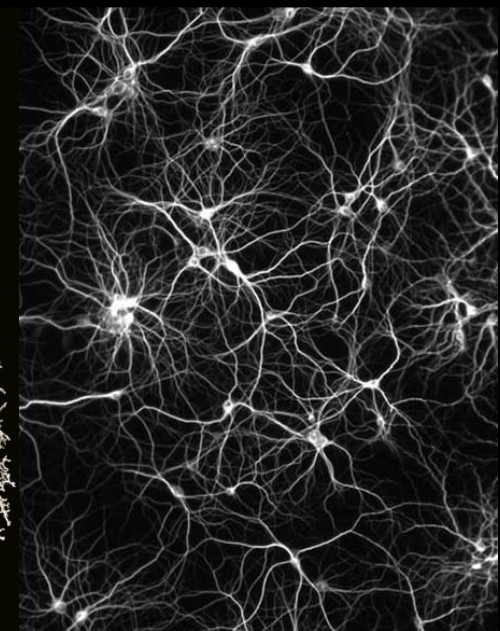
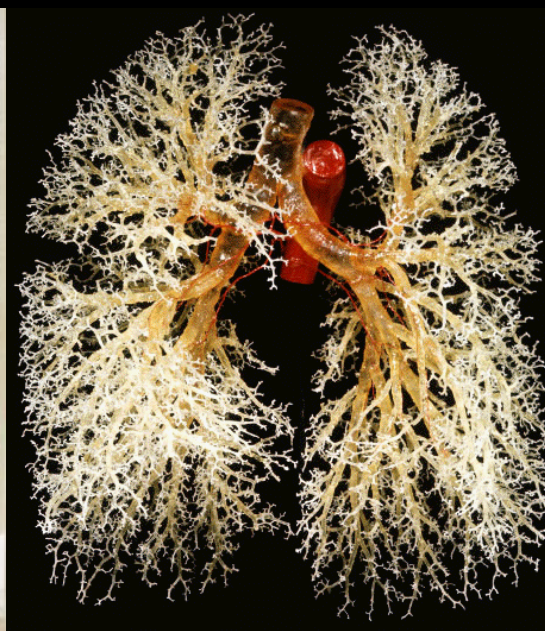
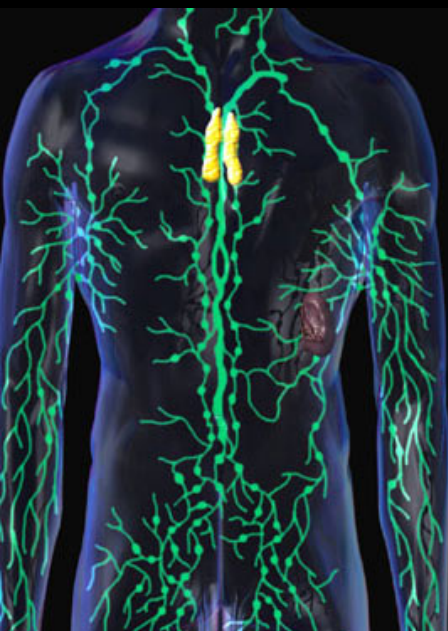
Nasir ol Molk Mosque, Iran





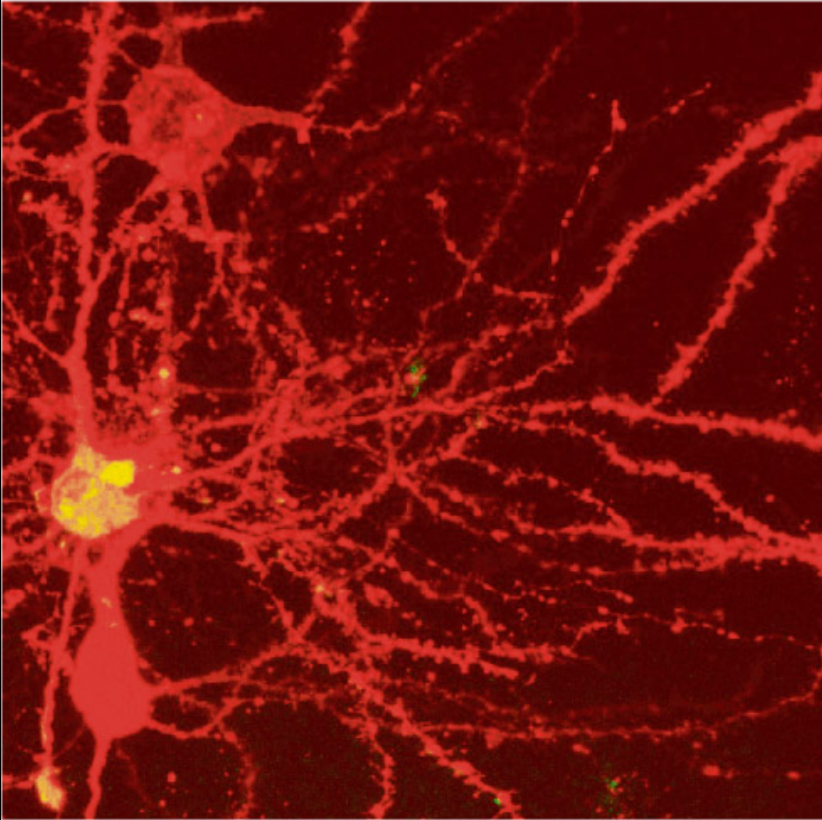
# Branching Patterns in Human Body

---



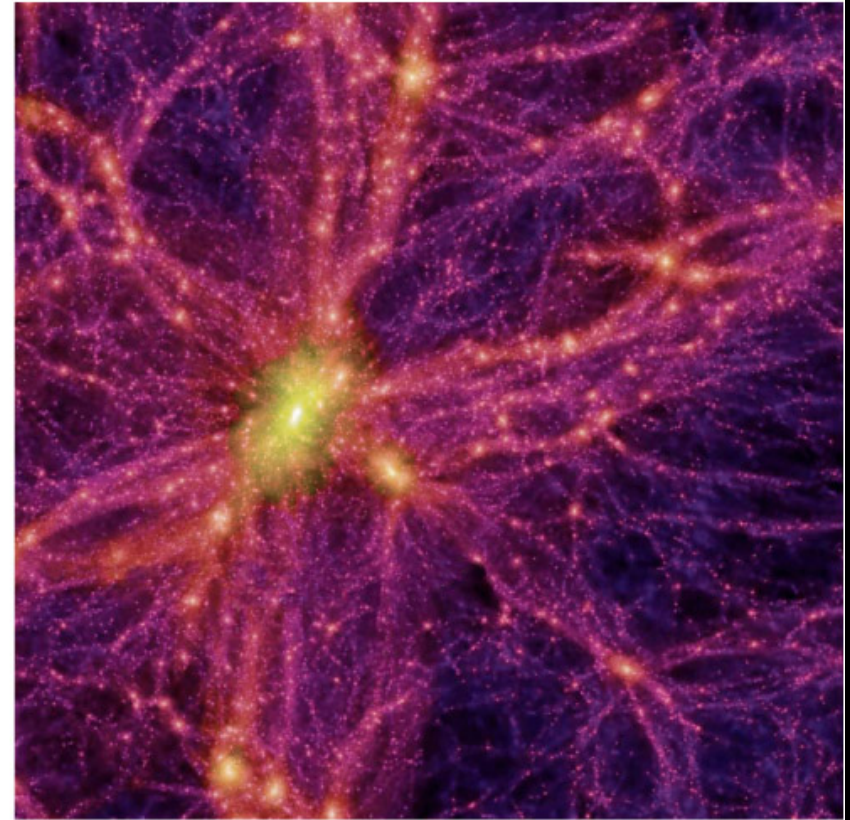
# Neurons and the Universe

One is only micrometers wide. The other is billions of light-years across. One shows neurons in a mouse brain. The other is a simulated image of the universe. Together they suggest the surprisingly similar patterns found in vastly different natural phenomena. *DAVID CONSTANTINE*



Mark Miller

Mark Miller, a doctoral student at Brandeis University, is researching how particular types of neurons in the brain are connected to one another. By staining thin slices of a mouse's brain, he can identify the connections visually. The image above shows three neuron cells on the left (two red and one yellow) and their connections.



Virgo Consortium

An international group of astrophysicists used a computer simulation last year to recreate how the universe grew and evolved. The simulation image above is a snapshot of the present universe that features a large cluster of galaxies (bright yellow) surrounded by thousands of stars, galaxies and dark matter (web).

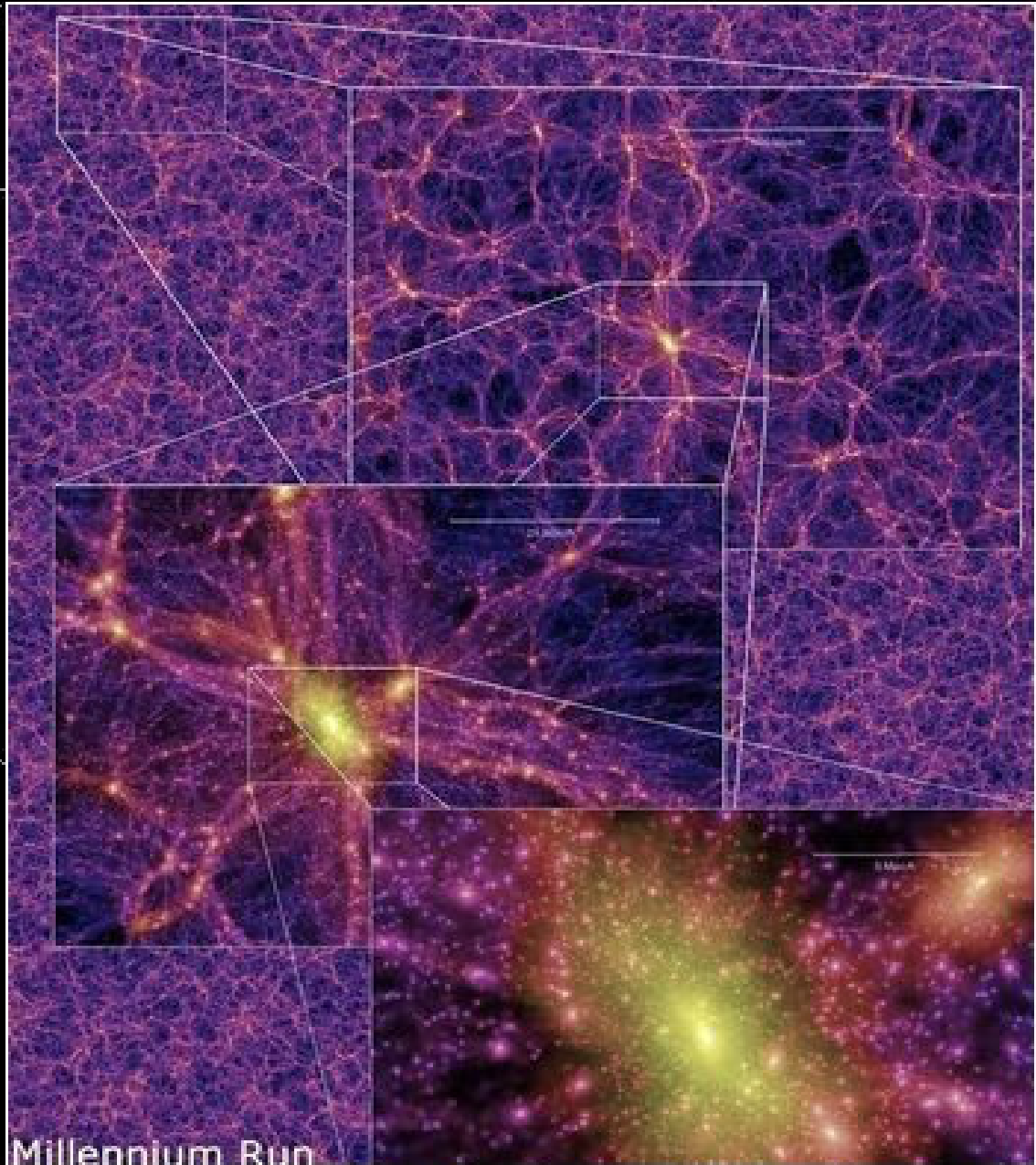
Source: Mark Miller, Brandeis University; Virgo Consortium for Cosmological Supercomputer Simulations; [www.visualcomplexity.com](http://www.visualcomplexity.com)

The New York Times

Mark Miller, Brandels University



Is the Universe part of a  
larger mind?



**BRAIN NEURON PATTERN FRACTAL OF UNIVERSE**

# In Sufism;

There is a concept of the "Unity of Being" which encourages people to look for God inside oneself and perceive the whole universe including oneself as the reflection of God.

According to this philosophy, the universe on the macro level is a **holographic model** whose source is the energy, just like the neurons in the brain.

On a cosmic scale, from the fractal and holographic universe perspective, this means that each part of the world contains the whole of the universe as it's hidden inside each part.

**The purpose of the mind is to see the divine essence and to reach his unity** -Rumi

**Knowledge means to know yourself** -Yunus Emre

In Sufism the divine secret is: the realization of the unity of the God - Human - the Universe. The creator and the creation and everything is actually one. It has no beginning and no end. The whole universe and the human being is God's representation in different forms. **The universe and the human being is a perception that reflects God's similarity.**



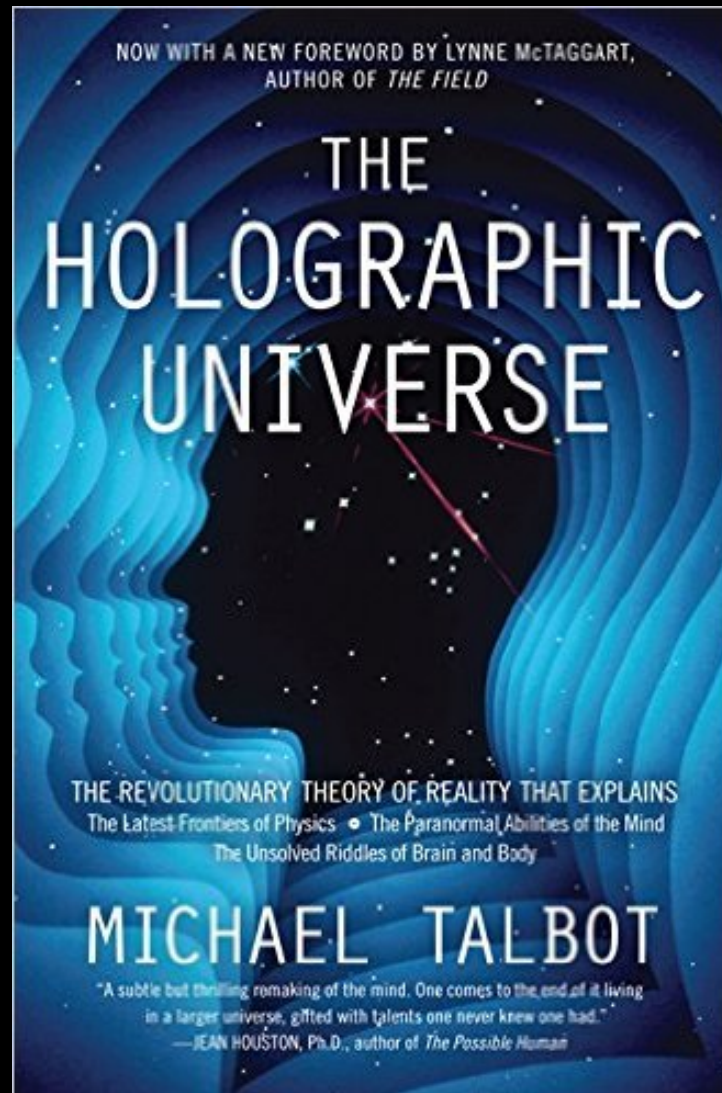


# Hermetism – The Emerald Tablet

“That which is Below corresponds to that which is Above, and that which is Above corresponds to that which is Below, to accomplish the miracles of the One Thing.”



# The Holographic Universe

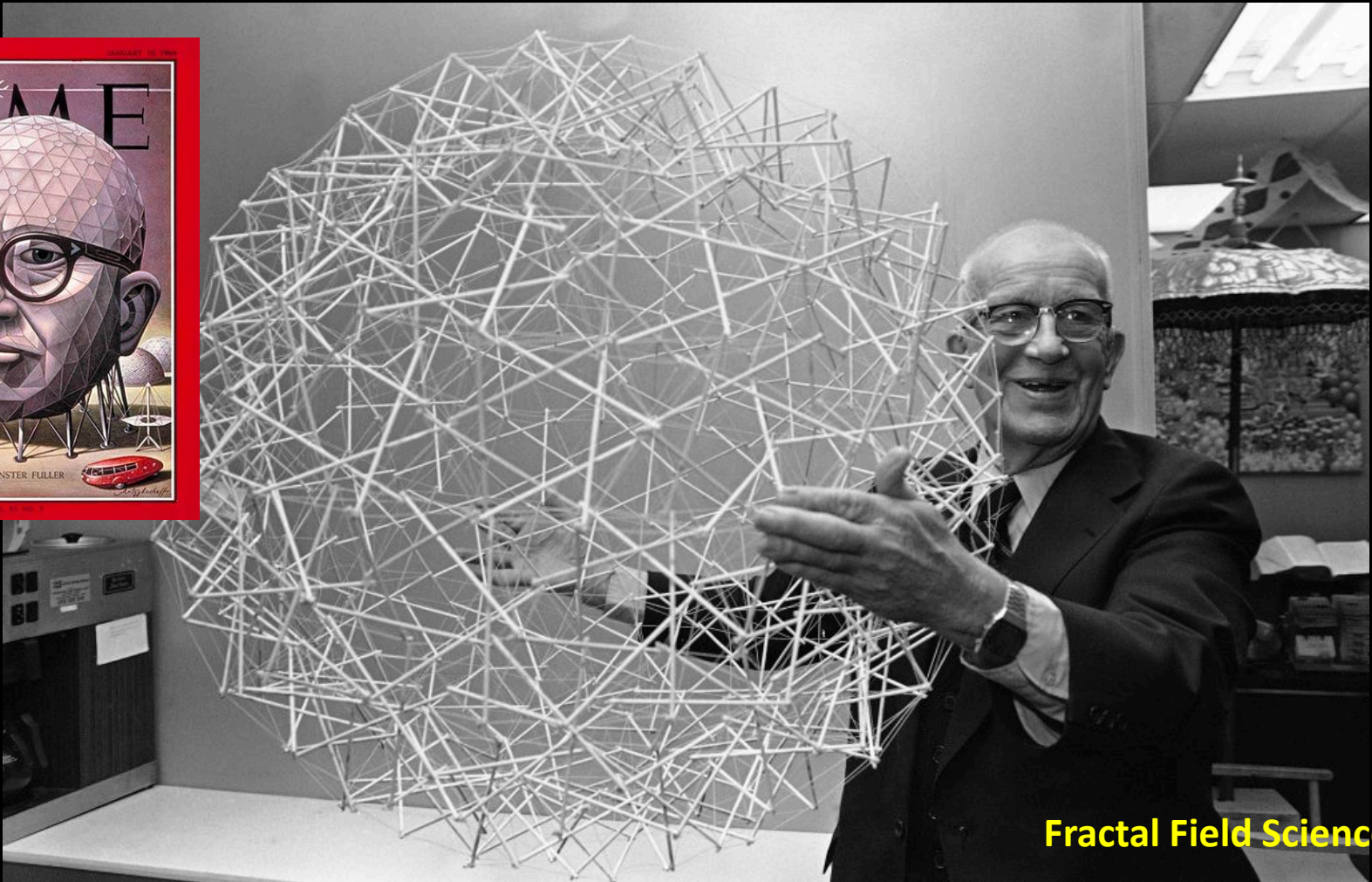
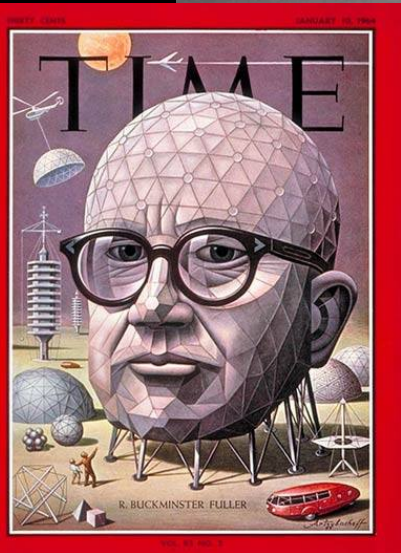




# Fractality in Architecture

**Buckminster Fuller** (1895 – 1983) was an American architect, systems theorist, author, designer, and inventor.

Designer of the “geodesic dome” structures which allow safety and energy efficiency optimization.



# Fractality in Architecture

Fuller's dome house in Illinois.









# Fractality in Architecture

The Montreal Biosphere by Buckminster Fuller, 1967 (US pavilion)





# Fractality in Architecture

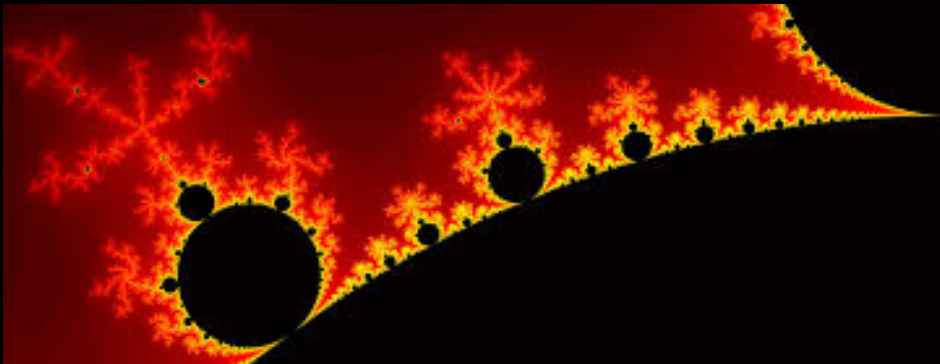
---



# Modern World and Fractality

**Benoît Mandelbrot** (1924 - 2010) was a Polish-born mathematician. He is recognized for his contribution to the field of fractal geometry, which includes coining the word "fractal", as well as developing the theory of "roughness and self-similarity" in nature.

While working at IBM, he developed computer graphics to create and display fractal geometric images, leading to his discovering the Mandelbrot set in 1979.



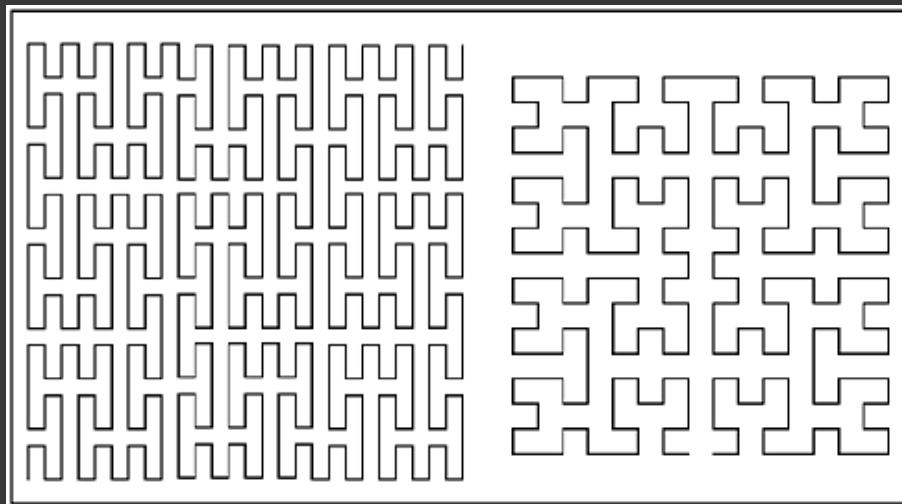


# Examples of Fractals

Cantor set (1883)

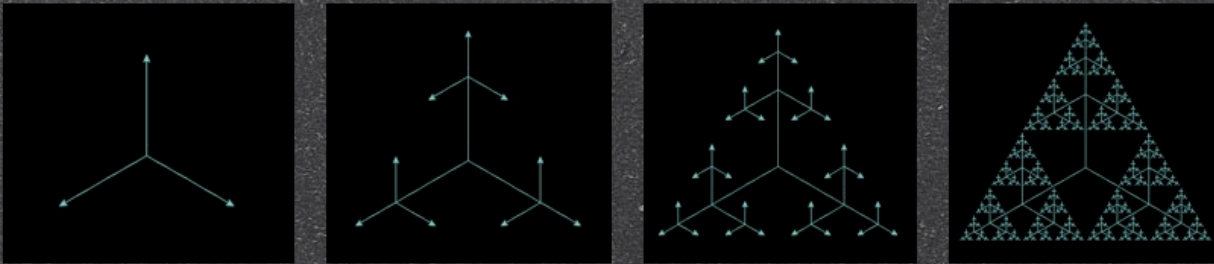


Hilbert curve (1891)



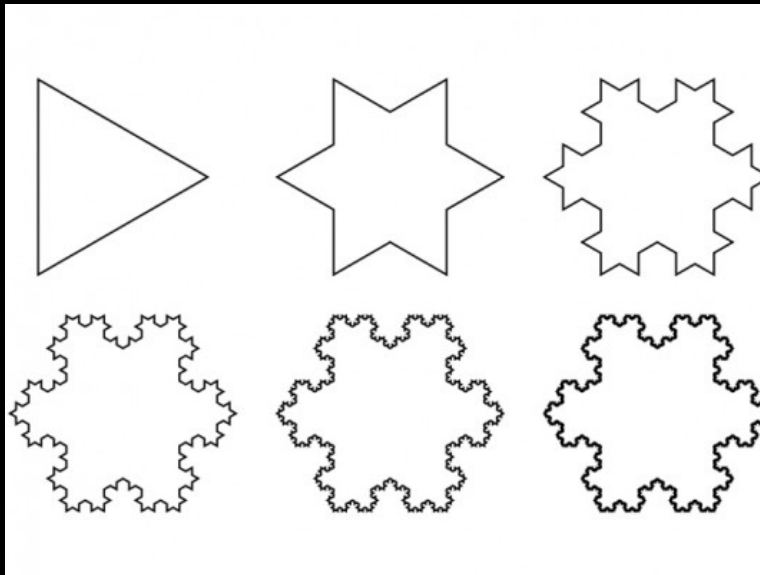
# Examples of Fractals

## Sierpinski Fractal Triangle - 1915

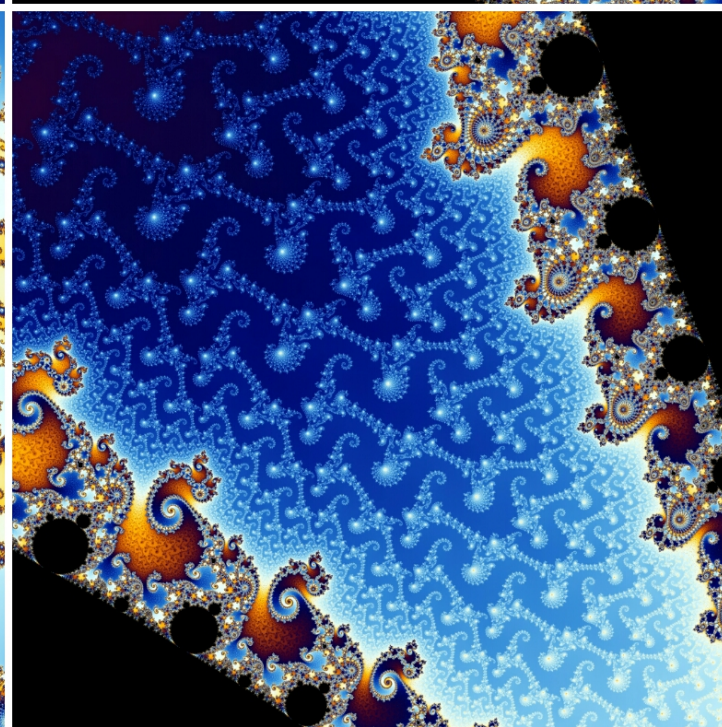
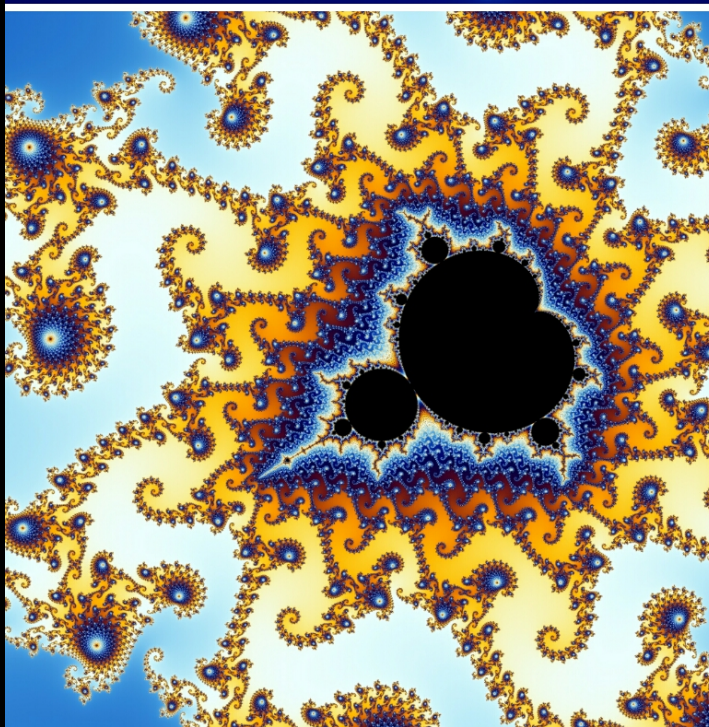
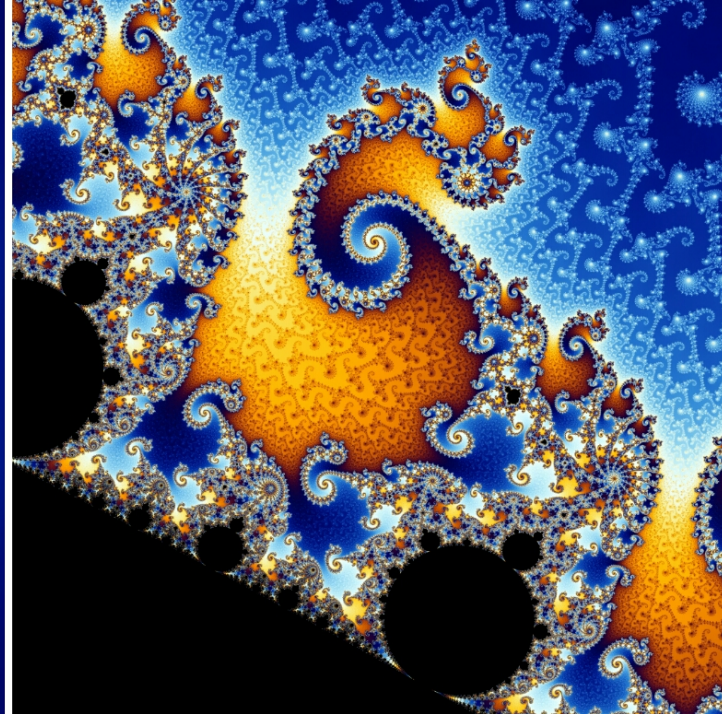
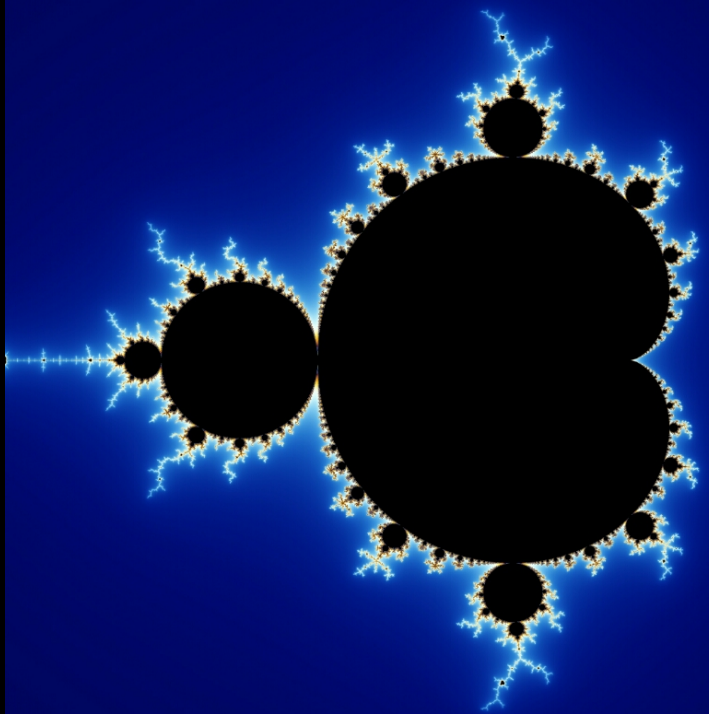


**Increasing Distinctions** → → →

Koch star - 1904









# Contributions to Fractal Science

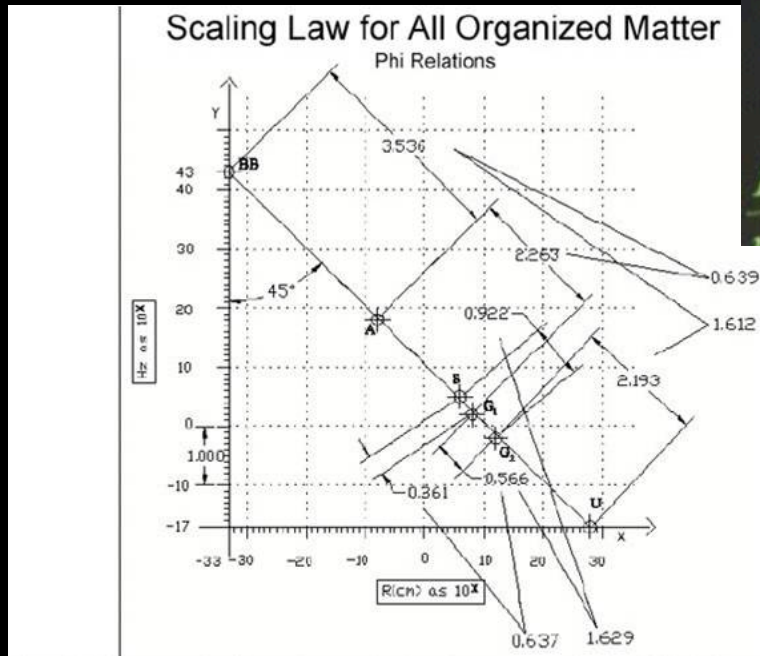
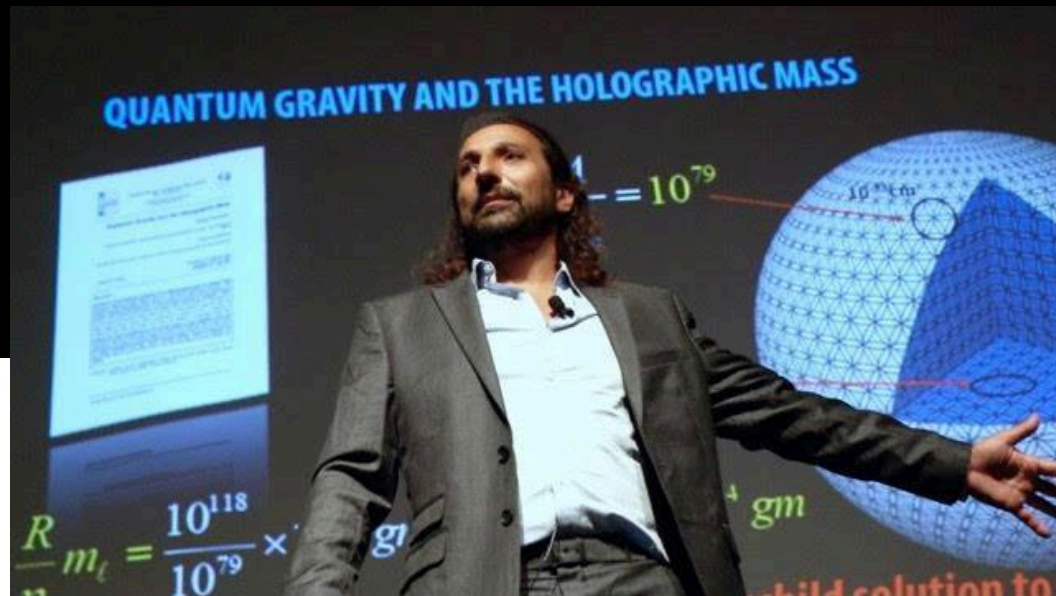


Figure 2b. We note that the distance between the data points on our graph, when divided with each other as in Figure 2b, yields a very close approximation to the familiar  $\Phi(\phi)$  ratio given by  $(1+\sqrt{5})/2 \approx 1.618$  and its inverse  $(1-\sqrt{5})/2 \approx 0.618$ . It is both appropriate and significant that the so called "golden ratio" is reflected in our scaling law (which maps energy dynamics at all scales), since it is prominently found everywhere in nature and has marked the evolution of cosmological mechanics and modern physics [18], from Kepler's solar system modeling [20] to aperiodic Penrose tilings [21], including recent work on the thermodynamic phase transition of black holes showing a change of state from negative specific heat to positive specific heat at  $(1-\sqrt{5})/2 \approx 0.618$  [22].



Nassim Hamein



# Revolution in the Fractal Field Science

**Dan Winter** has developed the science based on golden mean ratio perfected fractal phase conjugation to solve all the problems in our society such as urban design, alchemy, isotope transition, fusion, perfect compression, mindfulness and bliss experience.



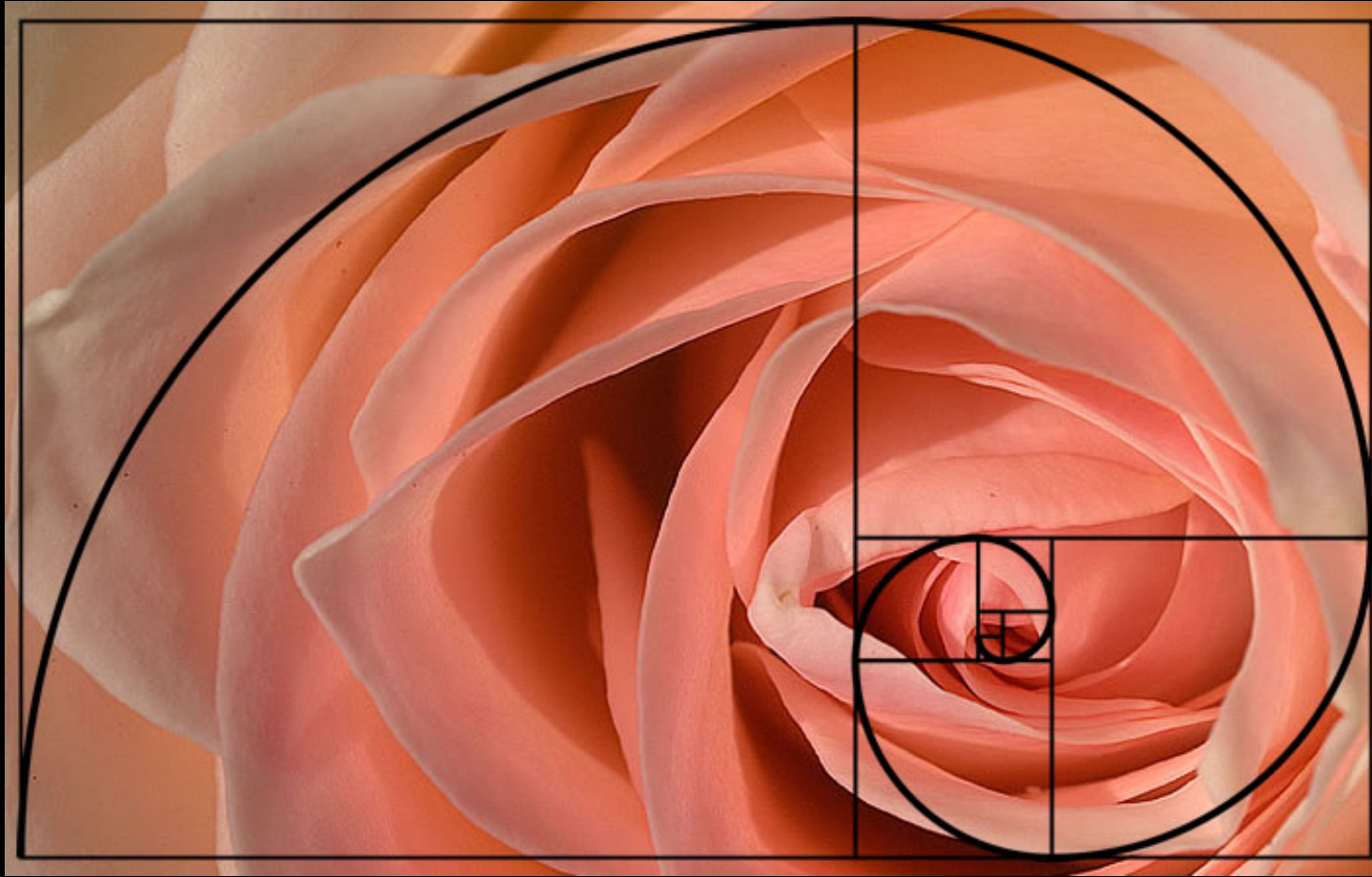
With his mathematics team (including Martin Jones) was the first to prove the wave equations showing golden ratio solves the problem of maximum constructive wave interference, compression, and phase conjugation.

Dan has proved that hydrogen radii are exact golden ratio phase conjugate multiples of planck fitting perfectly to the universal frequency caduceus which is exactly golden ratio exponents of planck length/time, origin of all biologic negentropy.

[illegible]



# Golden Ratio



# Golden Ratio

Is the fundamental ratio in fractal fields which

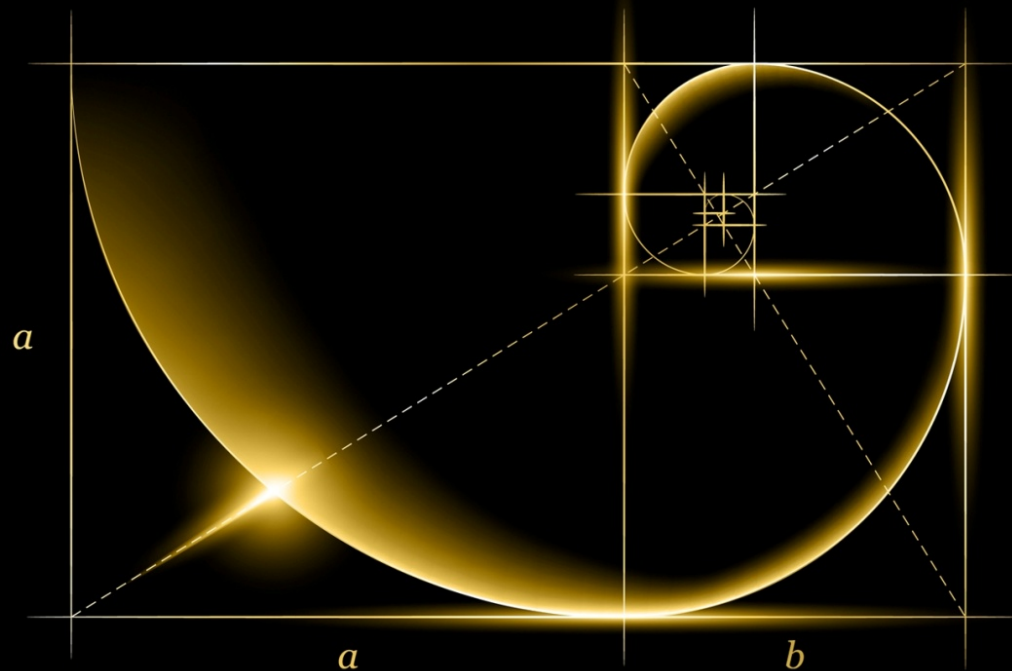
is the Electric Origin

-Cause and Mechanism of:

All Centripetal and Self Organizing Forces

Including and Especially:

Gravity, Life Force, Perception, Bliss / Enlightenment (end of Addiction A.D.D.),  
Alphabet & Symbol, Color



$$\frac{a+b}{a} = \frac{a}{b} = 1,618$$

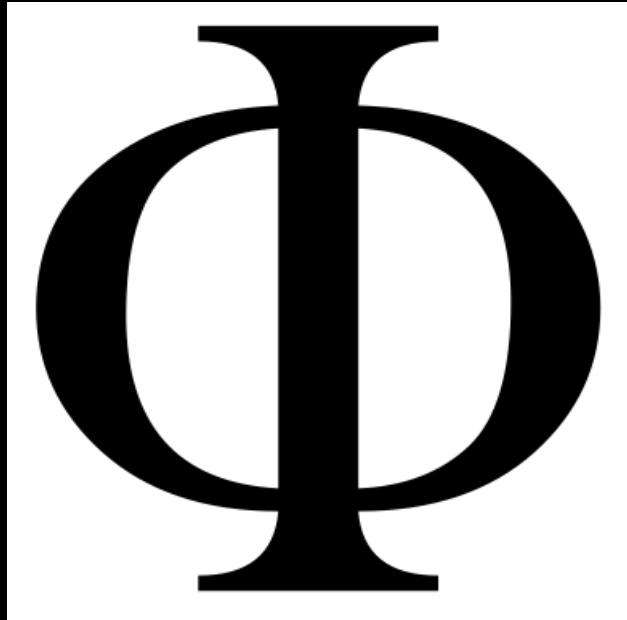
$$\phi = \frac{\sqrt{5}-1}{2}$$



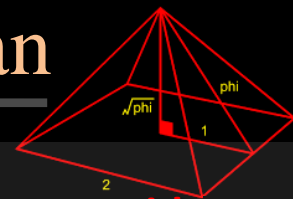


# History of the Golden Mean

---



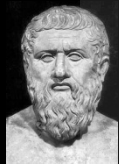
# History of the Golden Mean



☐ Egyptians have used the golden ratio in the design of the **Great Pyramids**.



☐ Greeks have used the golden ratio in the design of the **Parthenon**. (438 BC)



☐ Plato (circa 428 BC – 347 BC), in his views on natural science and cosmology presented in his “Timaeus,” considered the golden section to be the **most binding** of all mathematical relationships and the **key to the physics of the cosmos**.

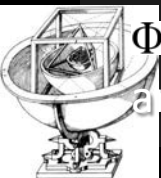
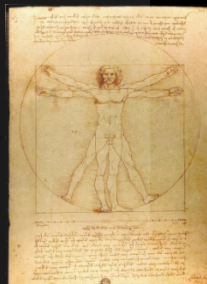
☐ Euclid (365 BC – 300 BC), in “Elements,” referred to dividing a line at the 0.6180399... point as “dividing a line in the **extreme and mean ratio**.” This gave rise to the use of the term mean in the golden mean. He also linked it to the **construction of a pentagram**.

THE FIRST SIX BOOKS OF  
THE ELEMENTS  
OF EUCLID



☐ Leonardo Fibonacci, discovered the unusual properties of the numerical series that now bears his name. (1200 AD)

☐ Leonardo Da Vinci provided illustrations using the golden mean extensively for a dissertation published by Luca Pacioli in 1509 entitled the “**Divine Proportion**.”

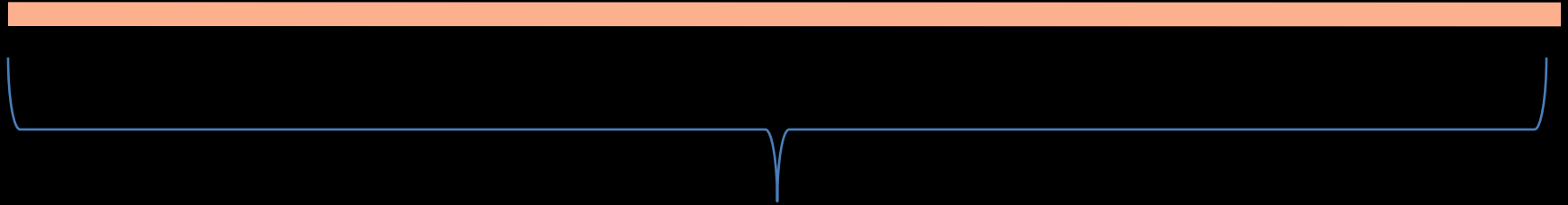


☐ Johannes Kepler (1600), discoverer of the elliptical nature of the orbits of the planets around the sun, also made mention of the “Divine Proportion,” saying this about it:





# Golden Ratio



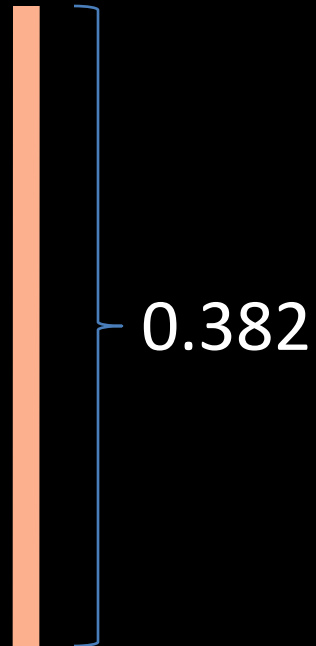
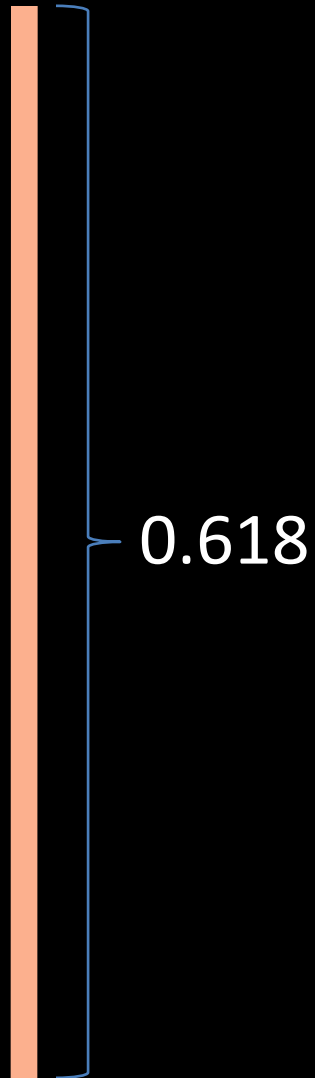
1 unit



0.618

0.382

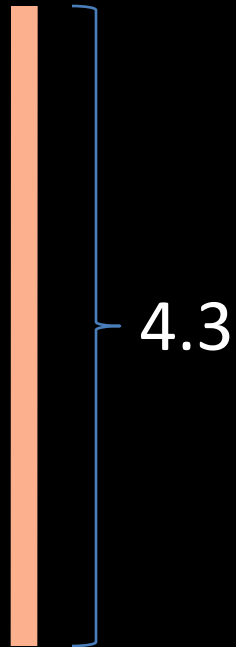
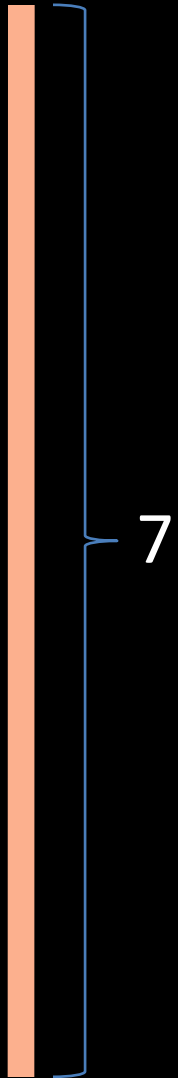
# Golden Ratio



$$0.618 / 0.382 = 1.618$$

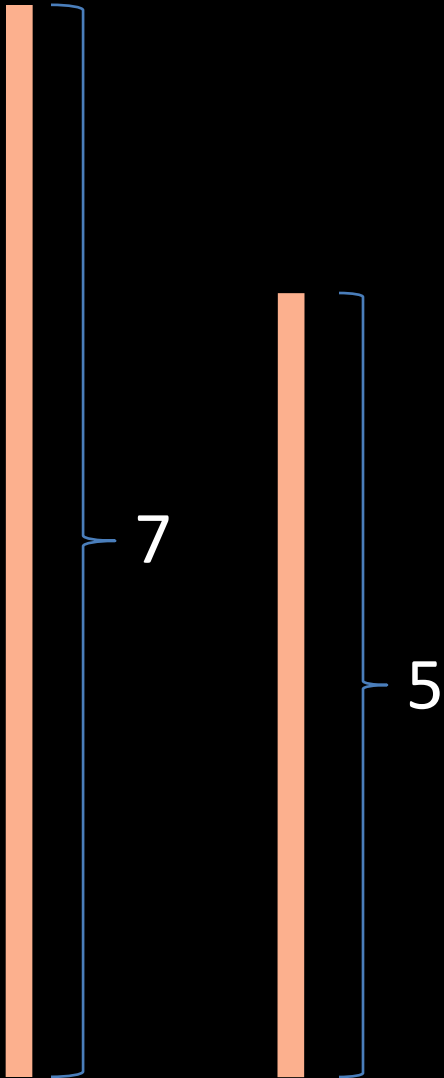


# Golden Ratio



$$7 / 4.3 = 1.618$$

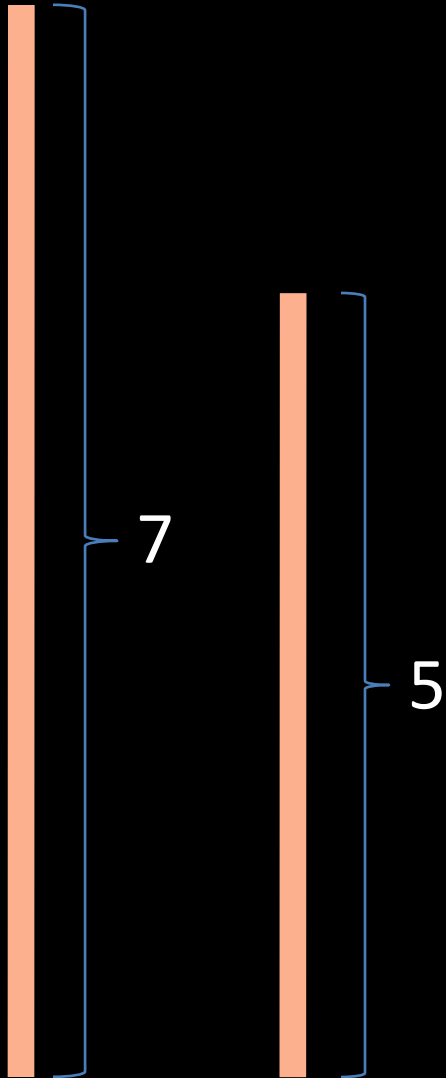
# Golden Ratio



$$7 / 5 = 1.4$$



# Golden Ratio



$$7 / 5 = 1.4$$

The equation  $7 / 5 = 1.4$  is shown with a large red prohibition symbol (a circle with a diagonal line) over it, indicating that this ratio is not the Golden Ratio.

8



4



2



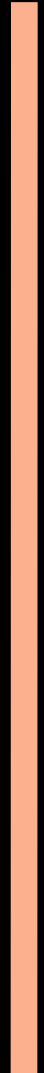
1





# Golden Ratio

8



4



2



1



# Exponents of Golden Ratio

---

4.235

2.618

1.618

1

0.618

0.382



# Exponents of Golden Ratio

4.235

2.618

1.618

1

0.618

0.382

1.618



# Exponents of Golden Ratio

4.235

2.618

1.618

1

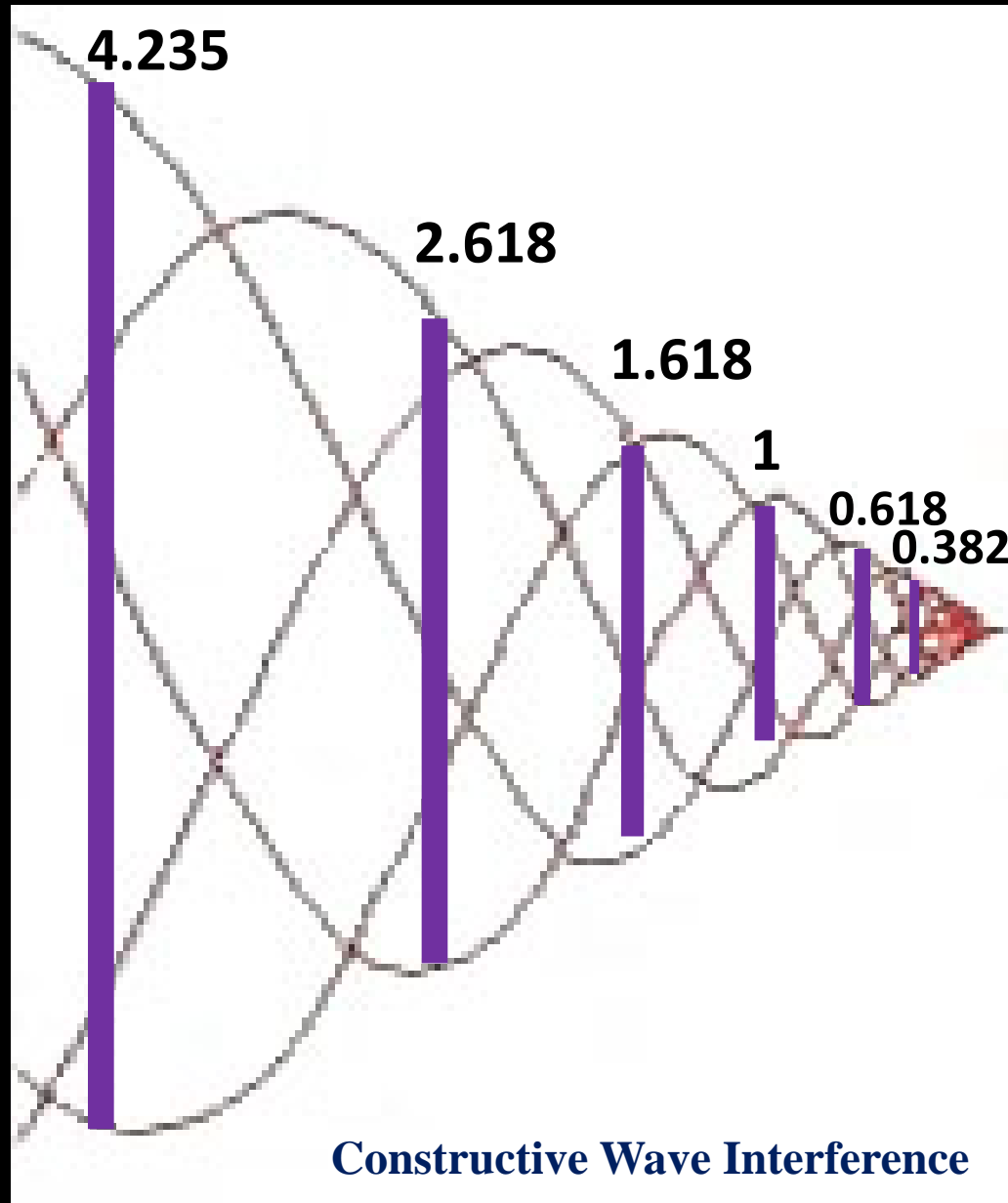
0.618

0.382

Arithmetic mean  
Geometric mean



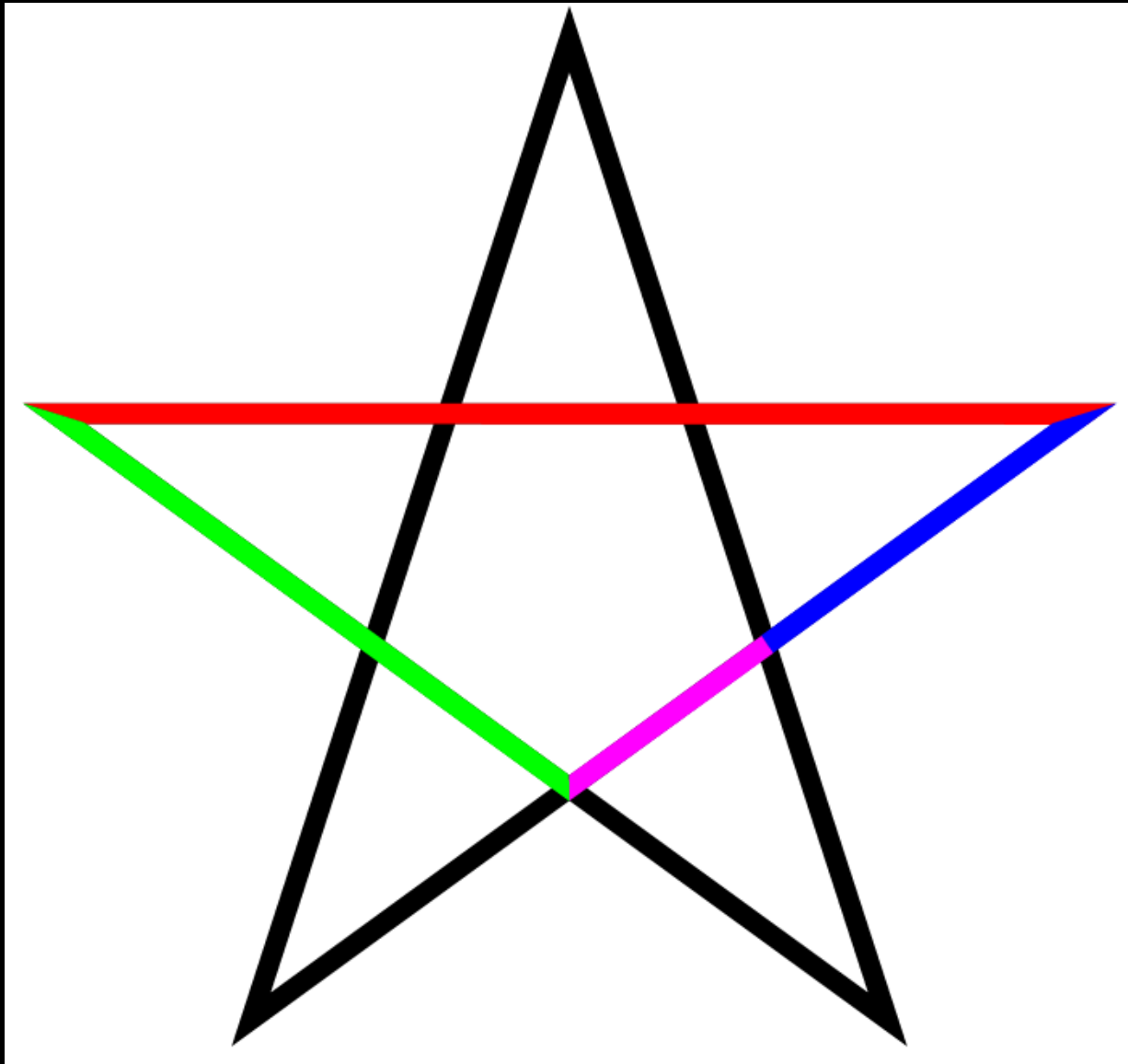
# Exponents of Golden Ratio



Arithmetic mean  
Geometric mean

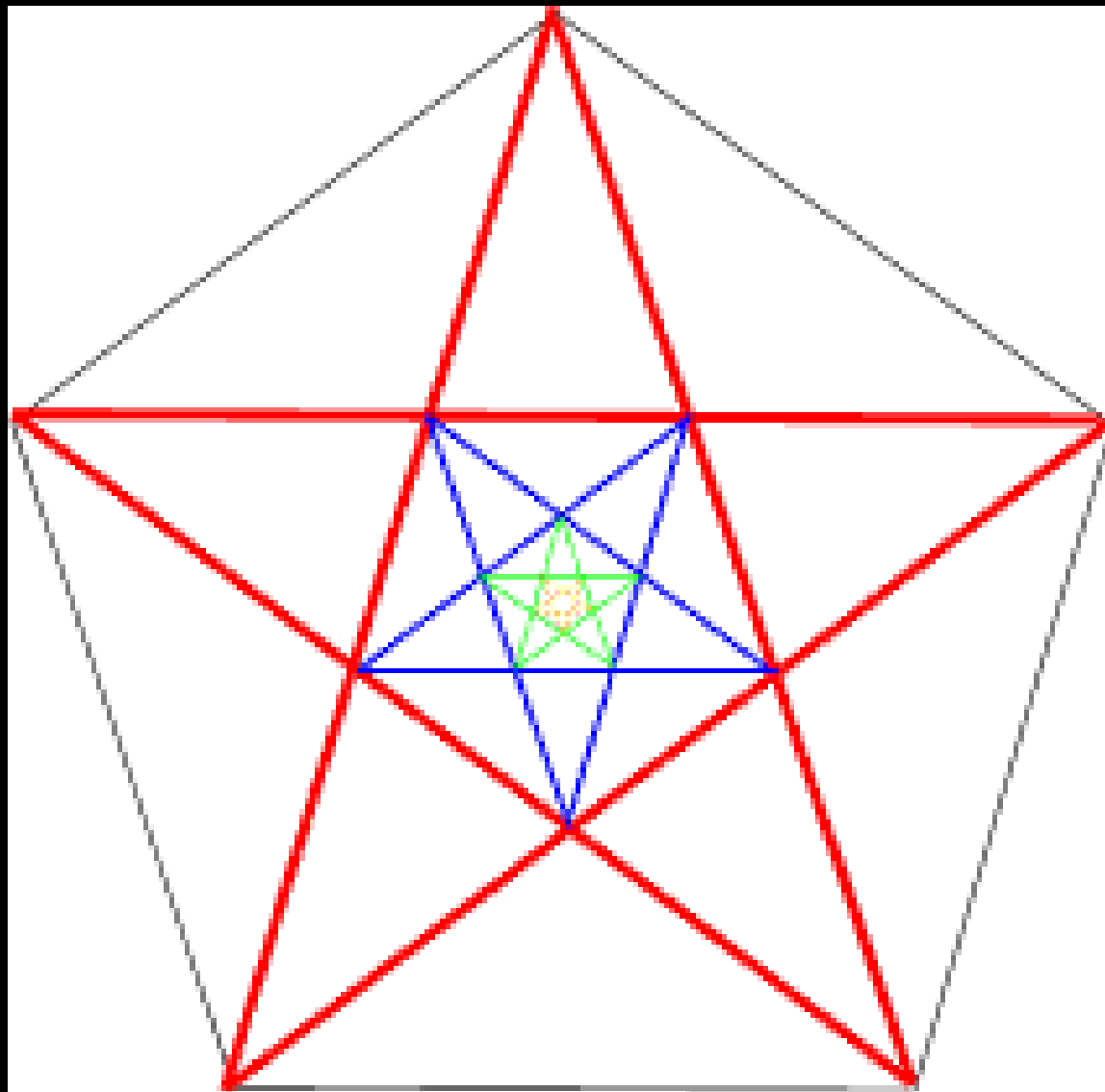


# Golden Ratio in a Star

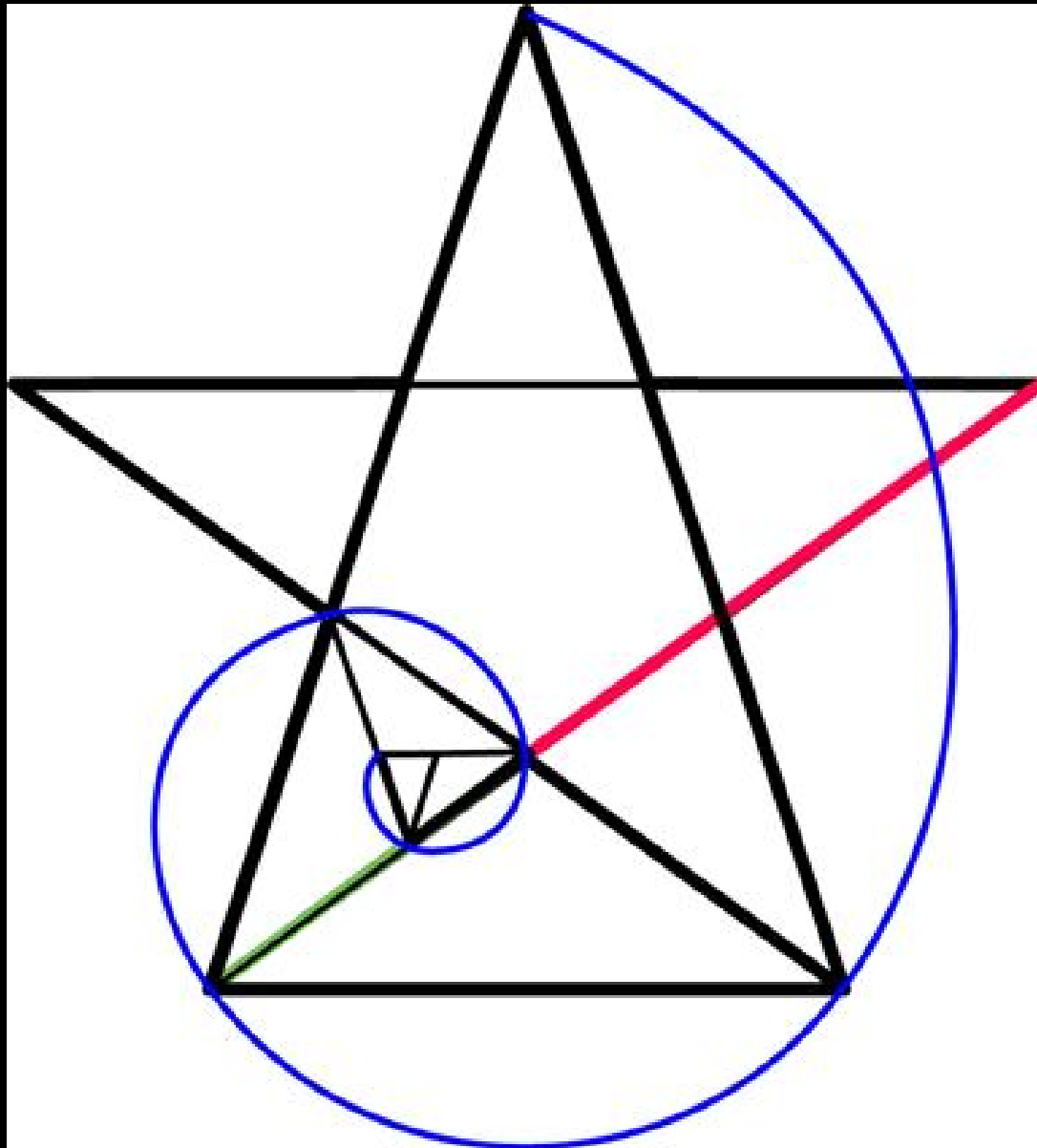




# Golden Ratio in a Star

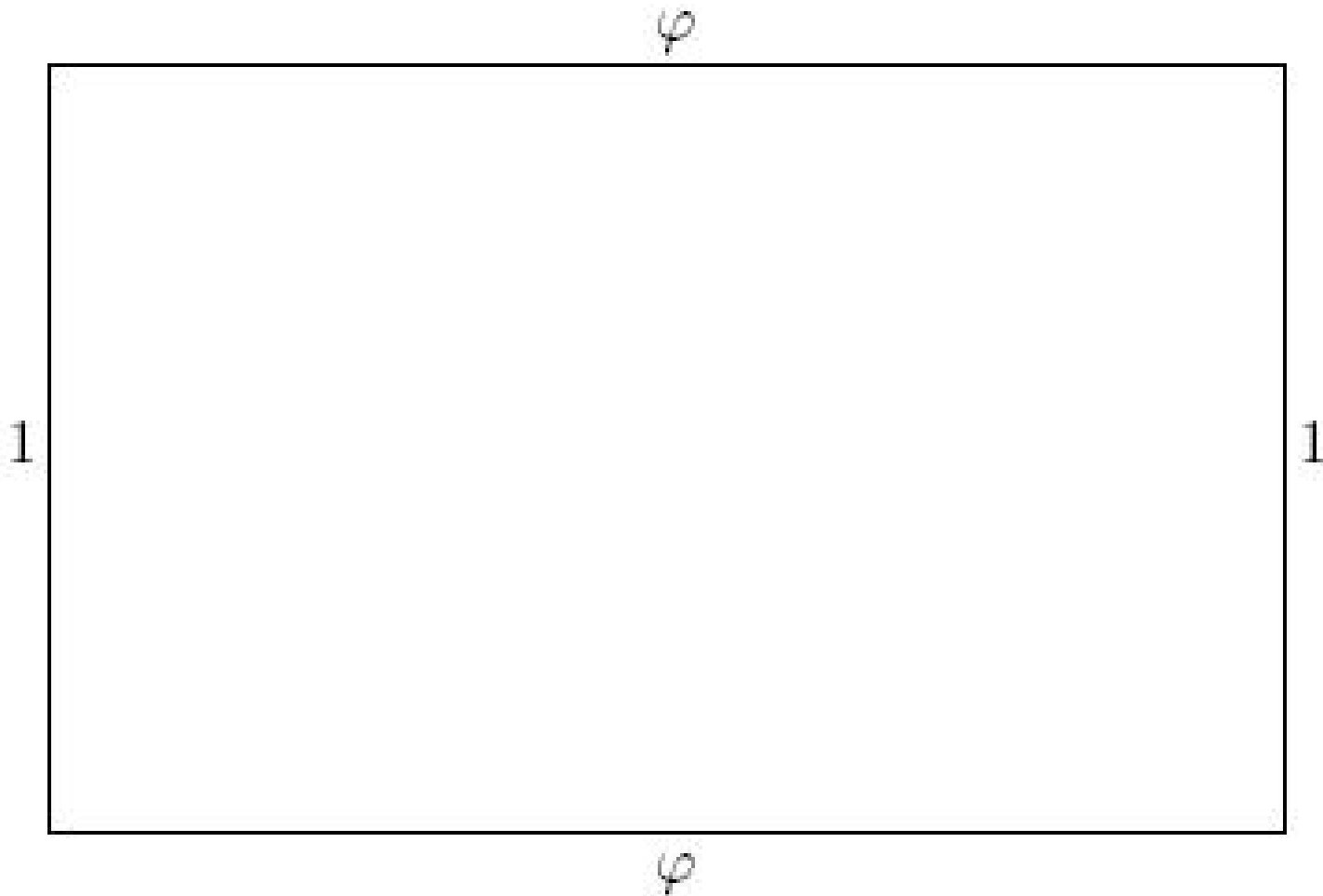


# Golden Ratio in a Star

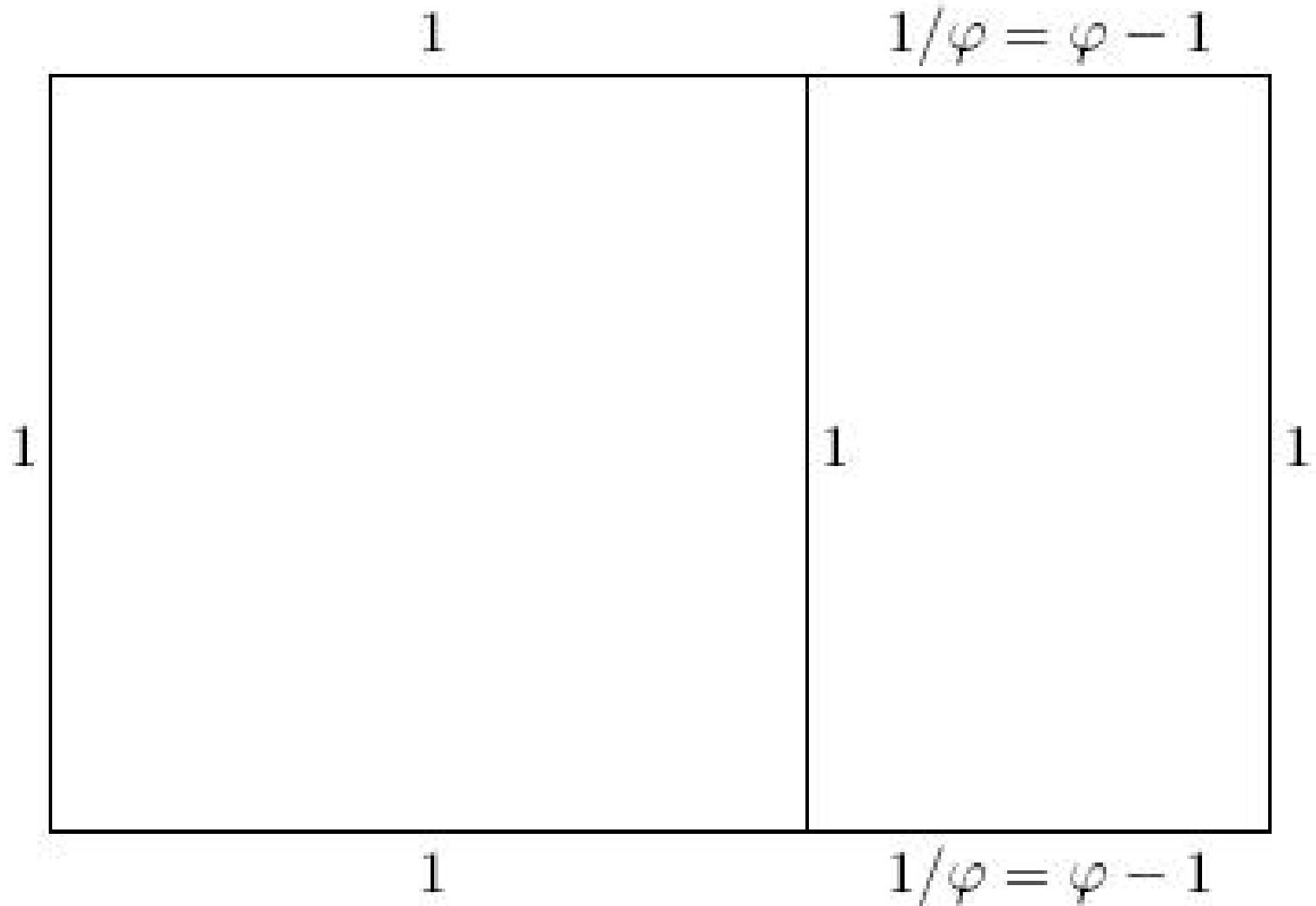




# Golden Ratio in a Rectangle

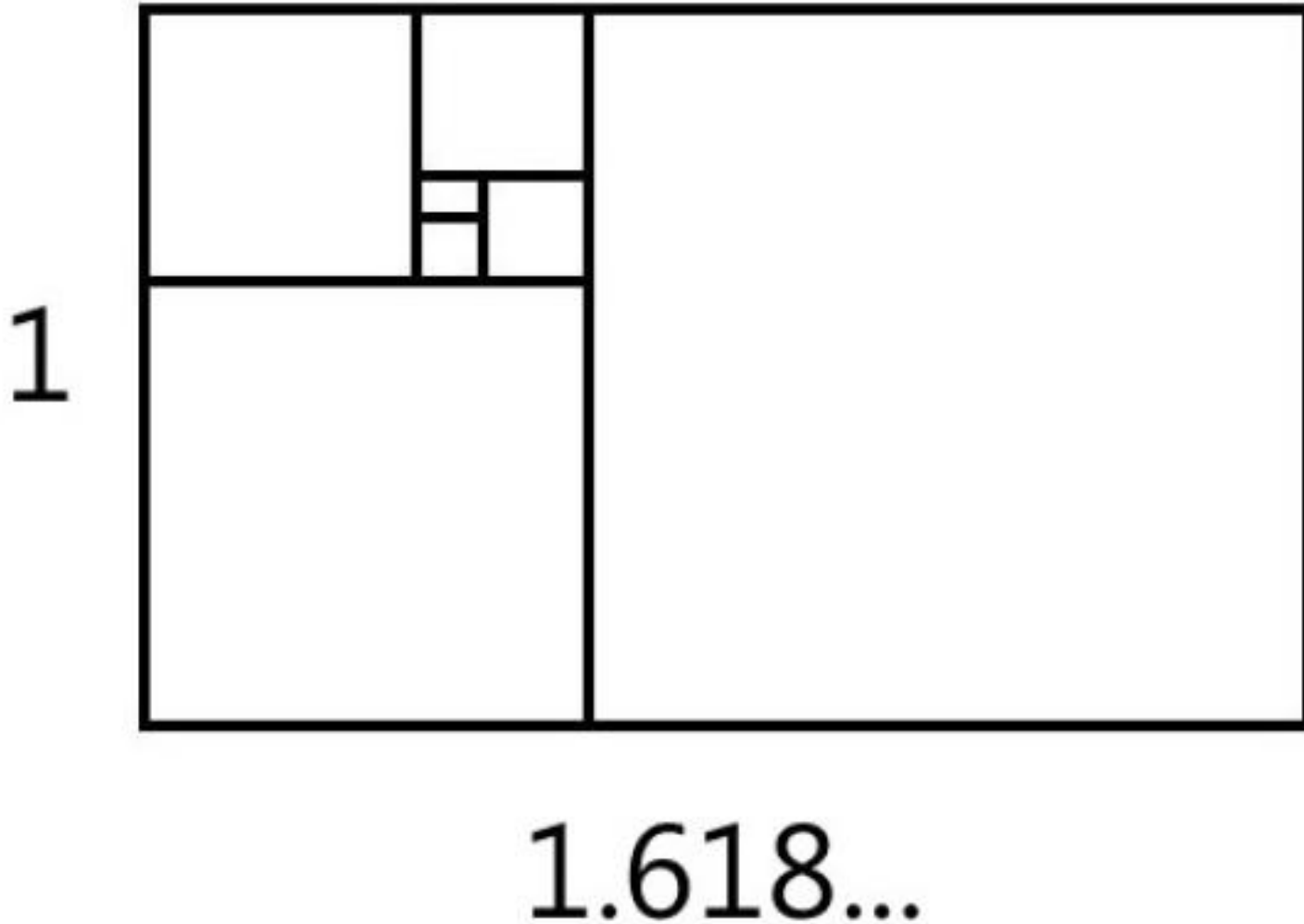


# Golden Ratio in a Rectangle

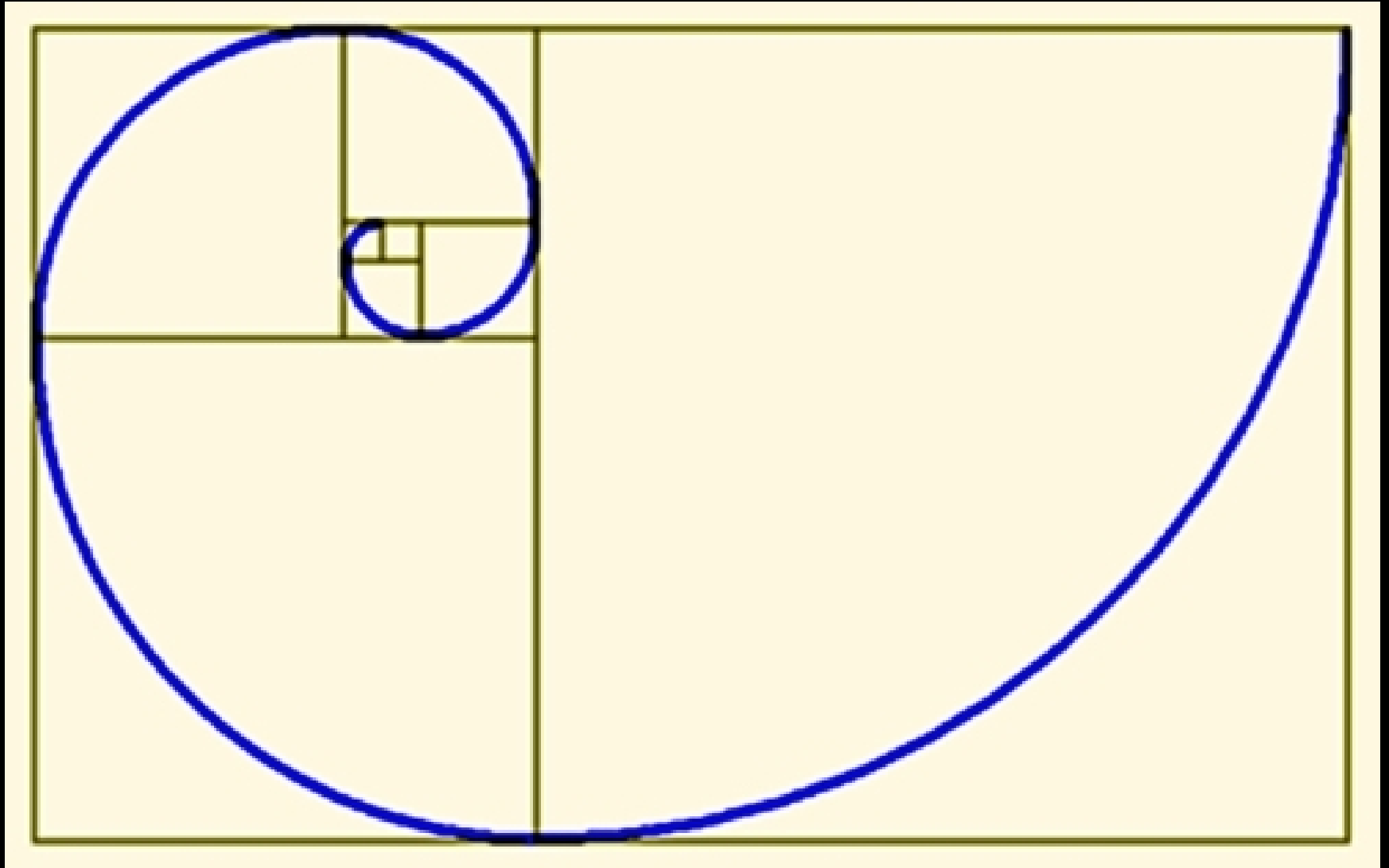




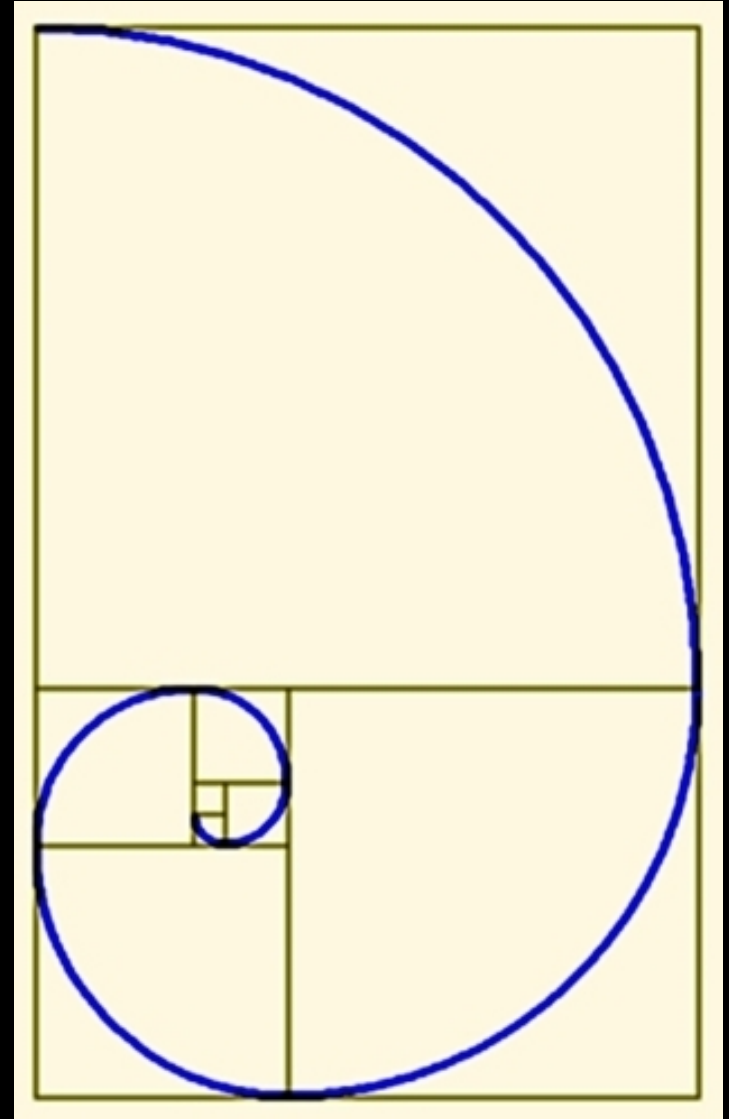
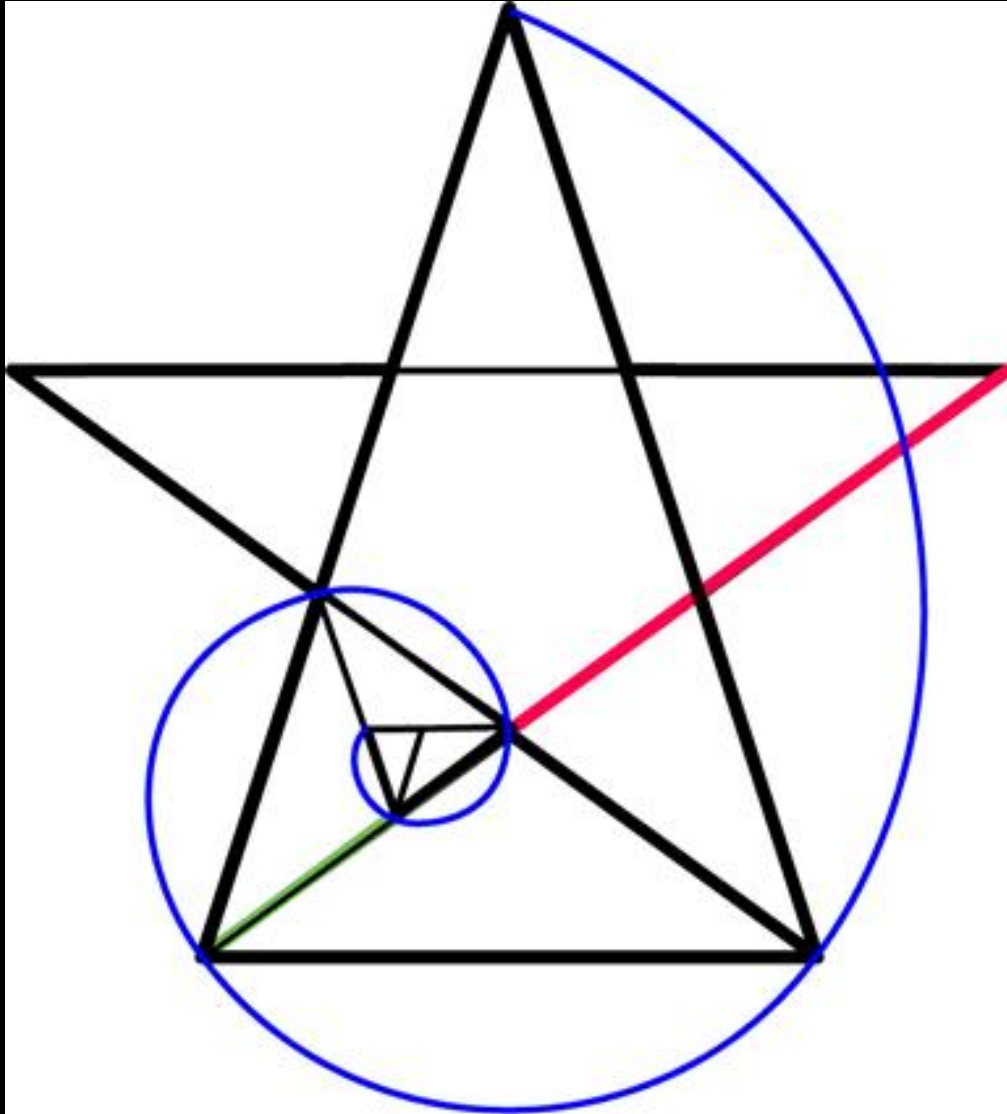
# Golden Ratio in a Rectangle



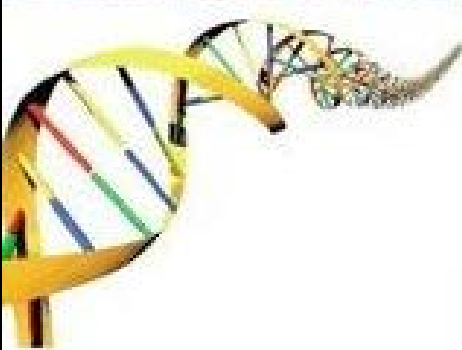
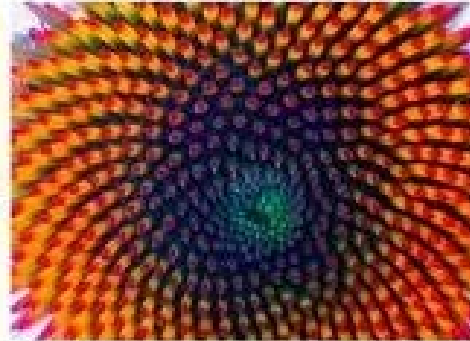
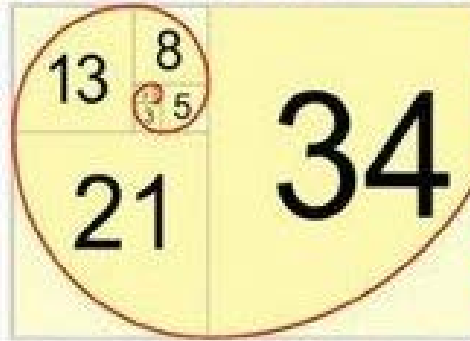
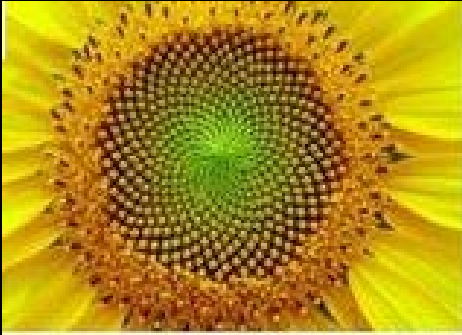
# Golden Ratio in a Rectangle

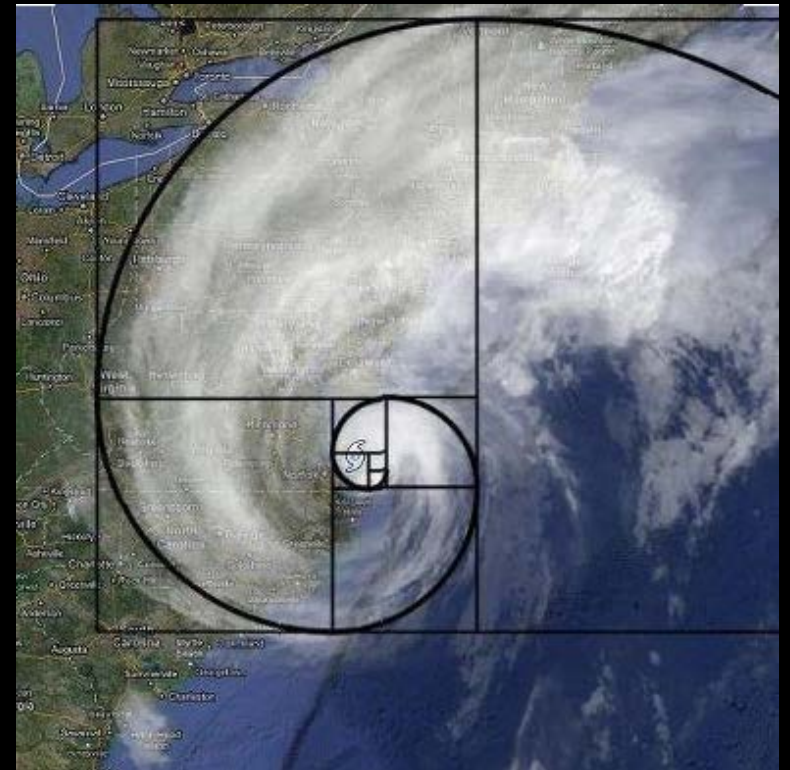
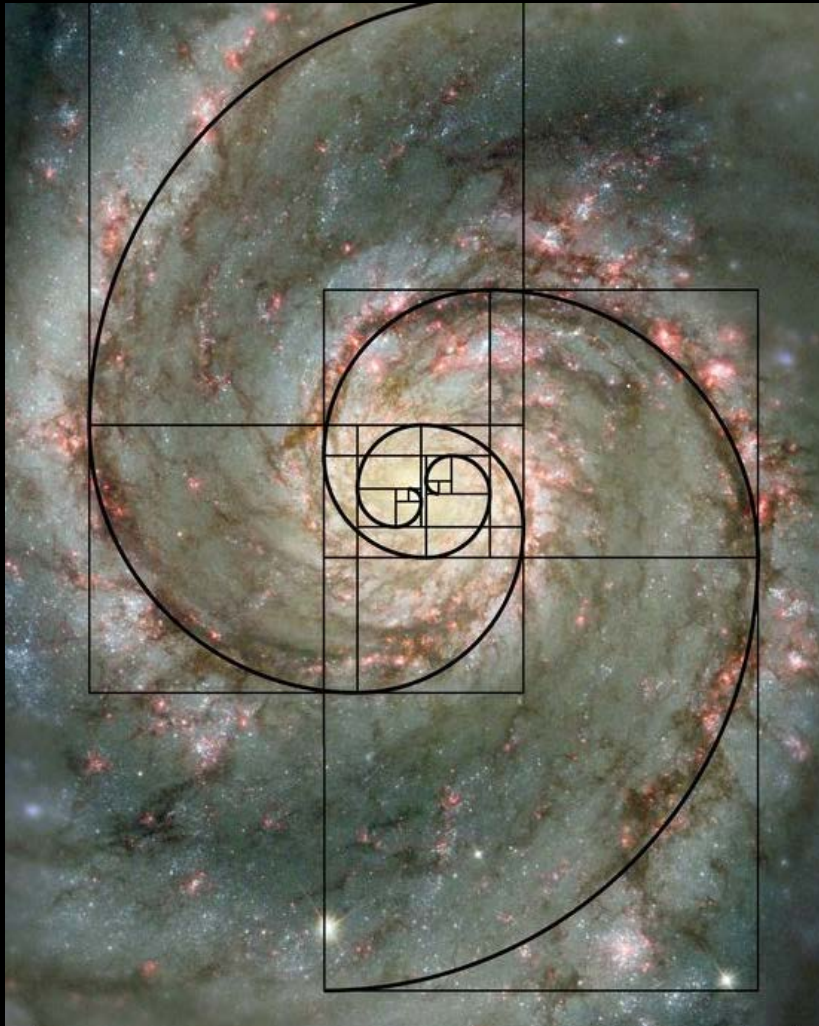


# Golden Ratio



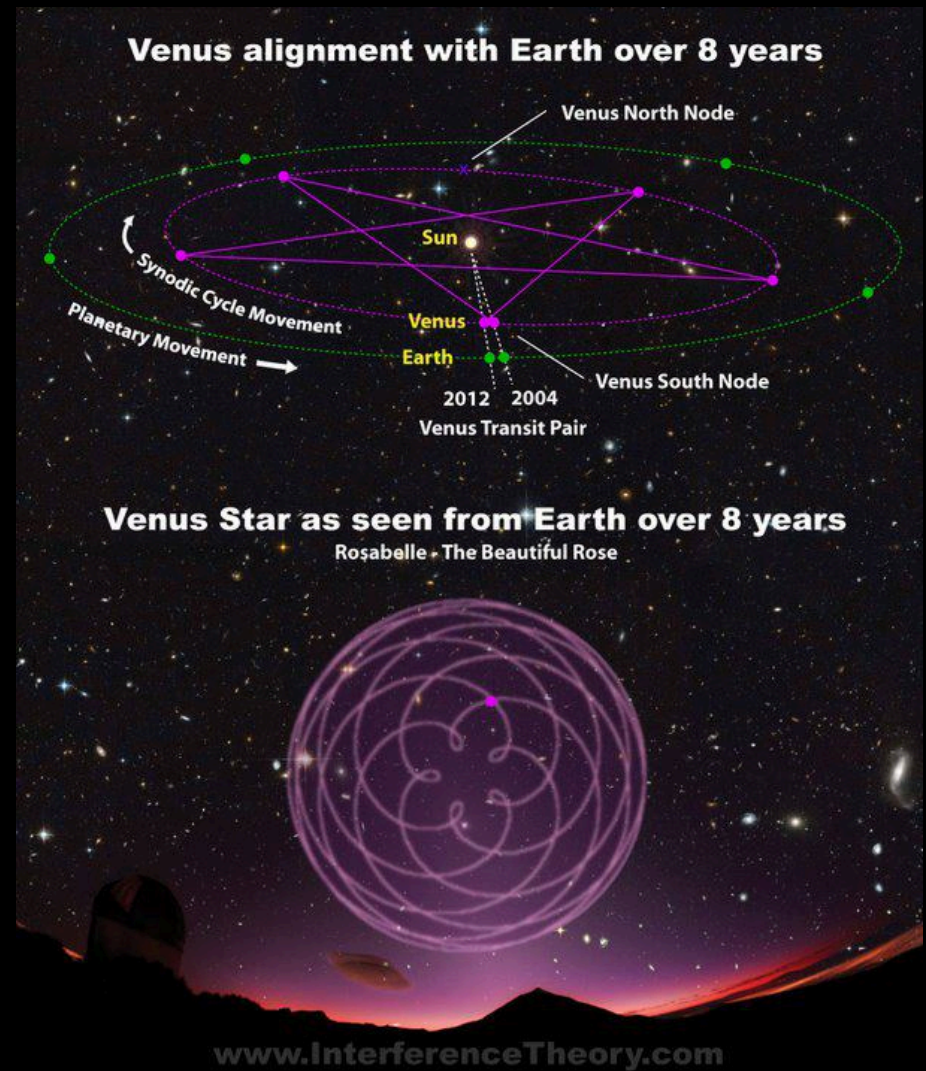
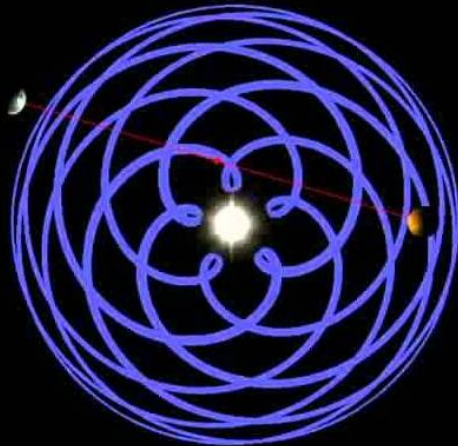
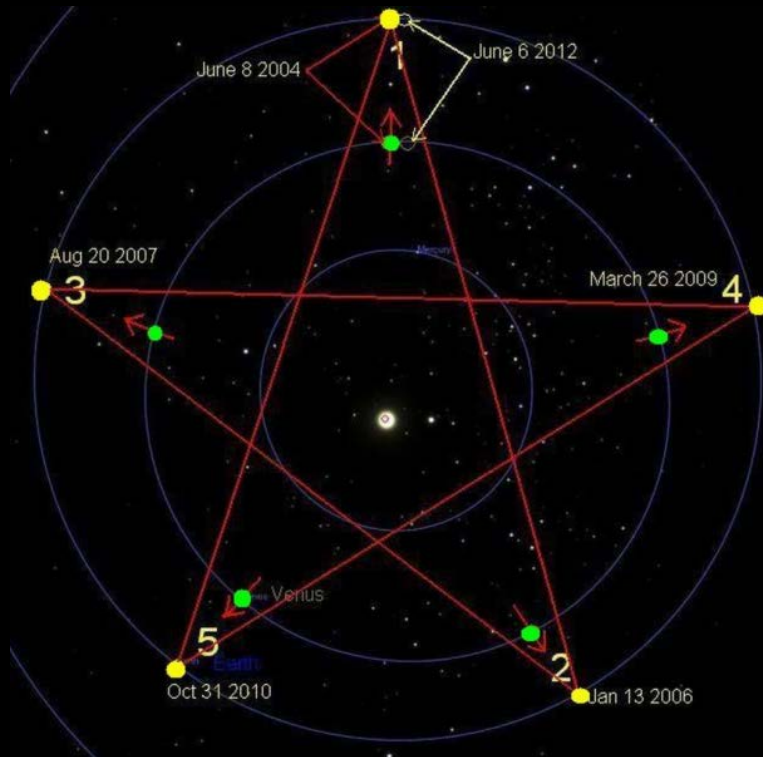






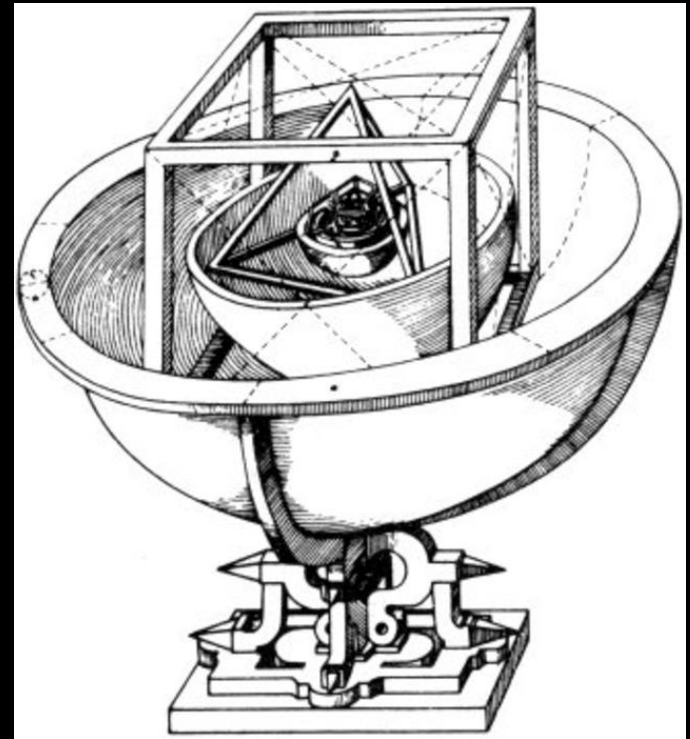
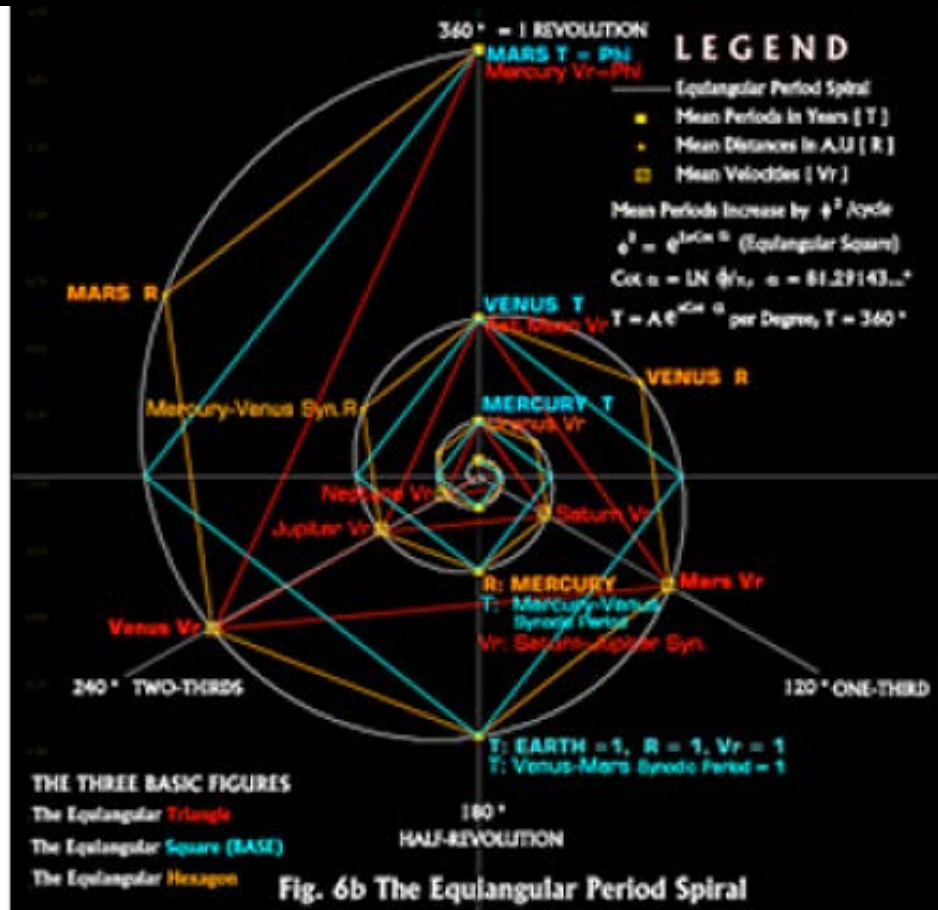


# Golden Ratio Between the Earth and Venus





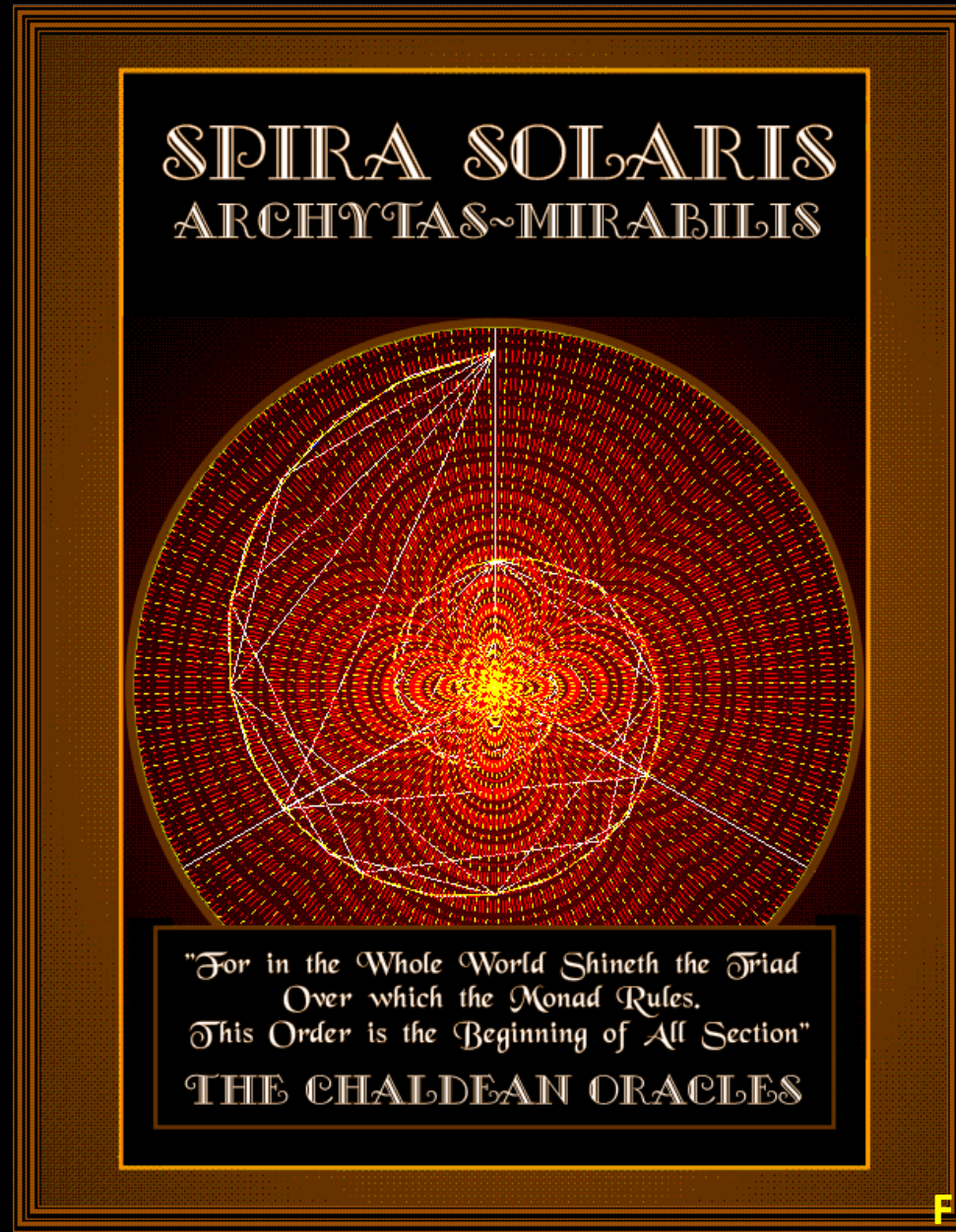
# Solar System and The Golden Ratio



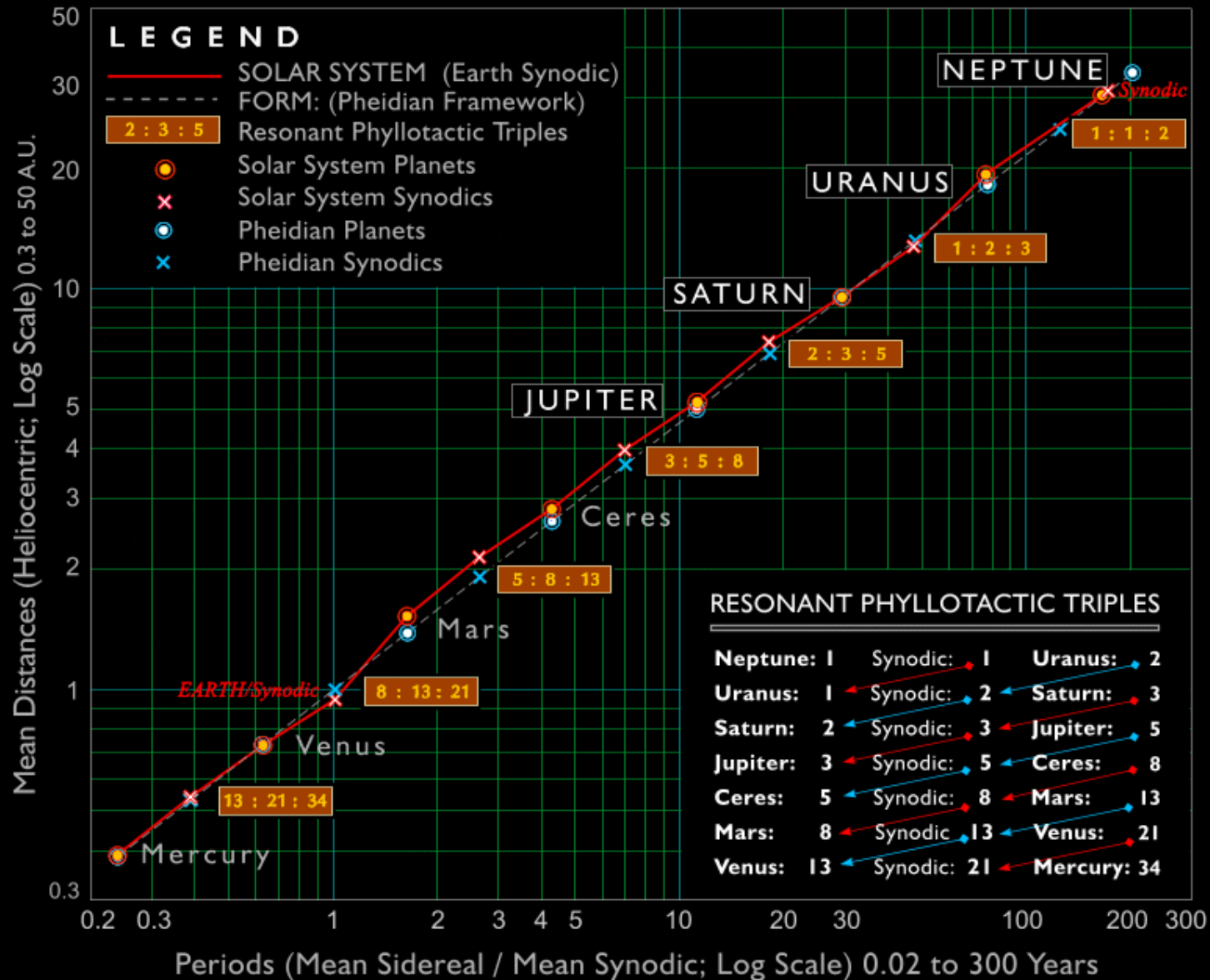
The solar system is a harmonic

<http://www.schoolofsacredgeometry.org/index.php?p=goldfraccosmos>

# Solar System and The Golden Ratio



# Solar System and The Golden Ratio





# Solar System and The Golden Ratio

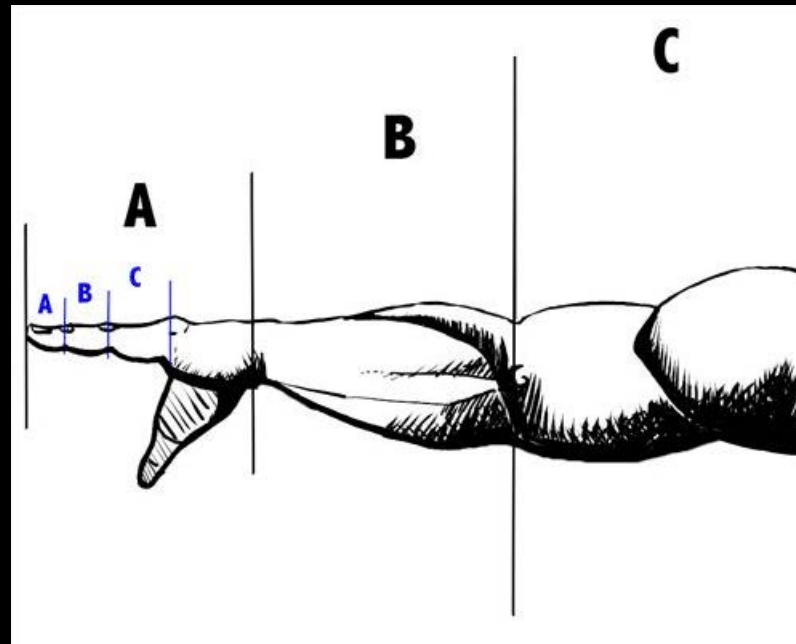
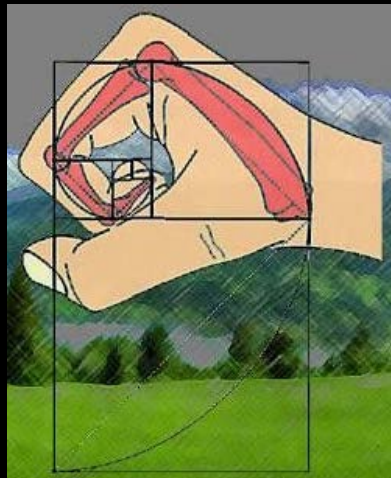
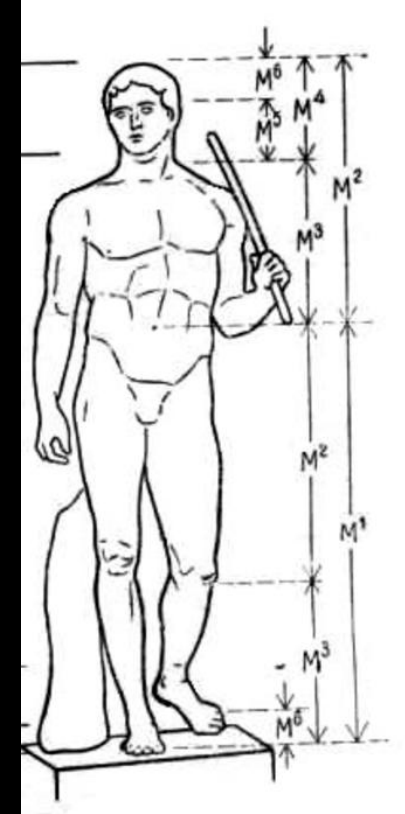
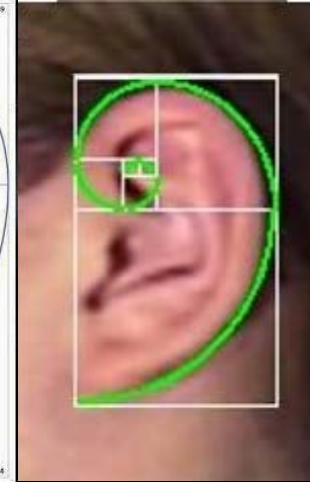
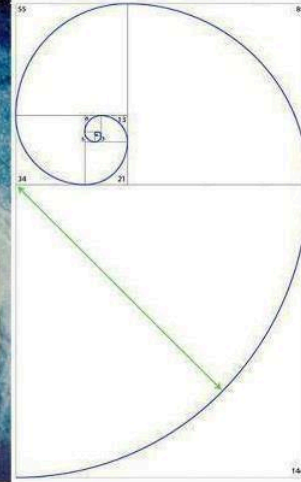
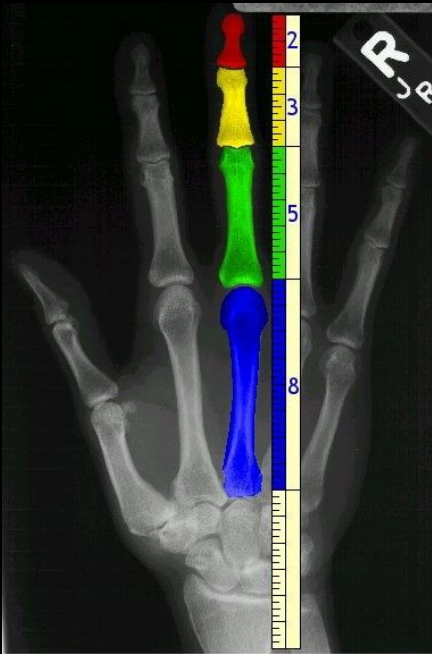
Planets	Periods T, S	X-Factors	Products	RZ Triple
Neptune	164.8837	1	164.8837	
Synodic S	171.5391	1	171.5391	1 : 1 : 2
Uranus	84.07277	2	168.1455	
Uranus	84.07277	1	84.07277	
Synodic S	45.33401	2	90.66802	1 : 2 : 3
Saturn	29.45252	3	88.35756	
Saturn	29.45252	2	58.90504	
Synodic S	19.88132	3	59.64397	2 : 3 : 5
Jupiter	11.86924	5	59.34619	
Jupiter	11.86924	3	35.60771	
Synodic S	7.512683	5	37.56342	3 : 5 : 8
Ceres	4.600670	8	36.80536	
Ceres	4.600670	5	23.00335	
Synodic S	3.181283	8	25.45026	5 : 8 : 13
Mars	1.880766	13	24.44996	
Mars	1.880766	8	15.04613	
Earth/Synodic	0.914222	13	11.88489	8 : 13 : 21
Venus	0.615186	21	12.91891	
Venus	0.615186	13	7.997419	
Synodic S	0.395736	21	8.310455	13 : 21 : 34
Mercury	0.240821	34	8.187914	

Synodic Periods & multiples (in Years), S  
 Resonance Factors (Planets)  
 Resonance Factors (Synodic)

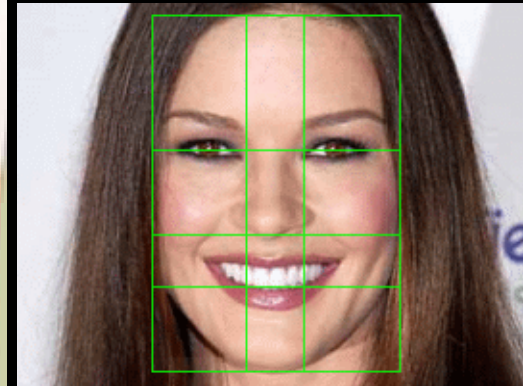
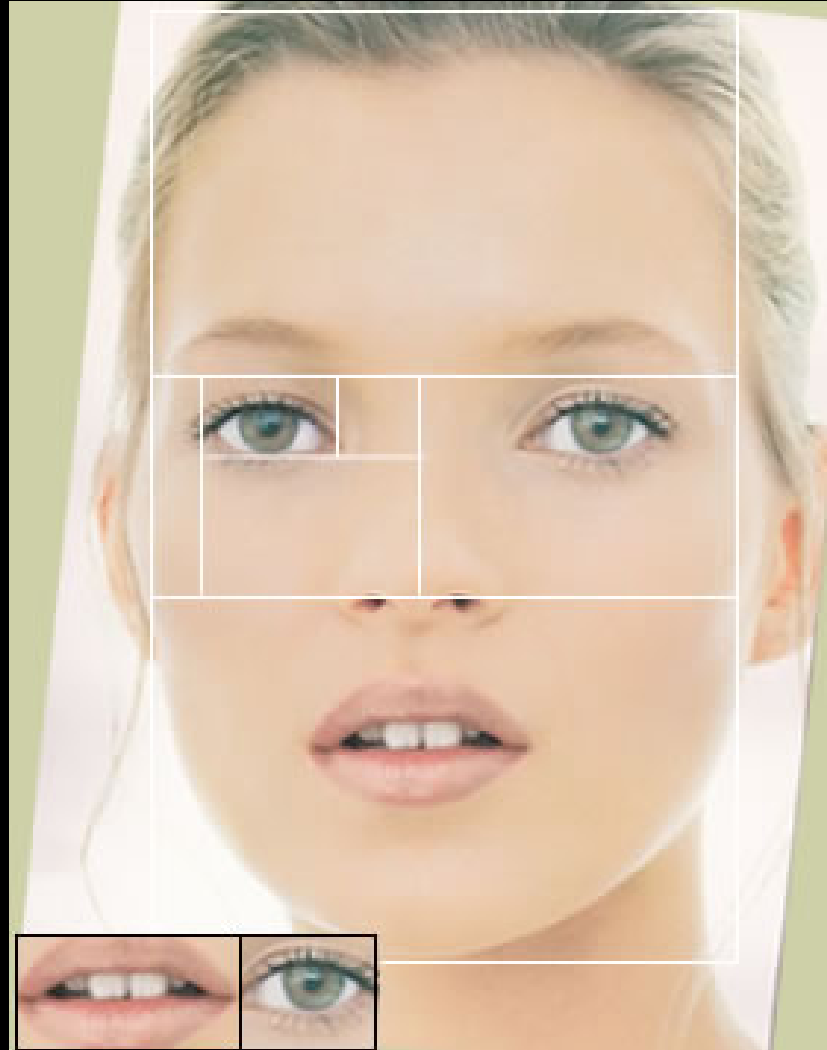
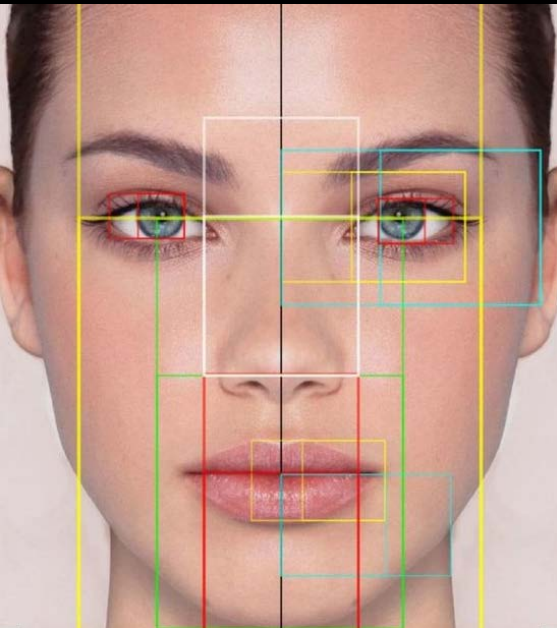
Sequential Fibonacci Triples  
 Mean Periods (in Years), T



# Golden Ratio in Human Body

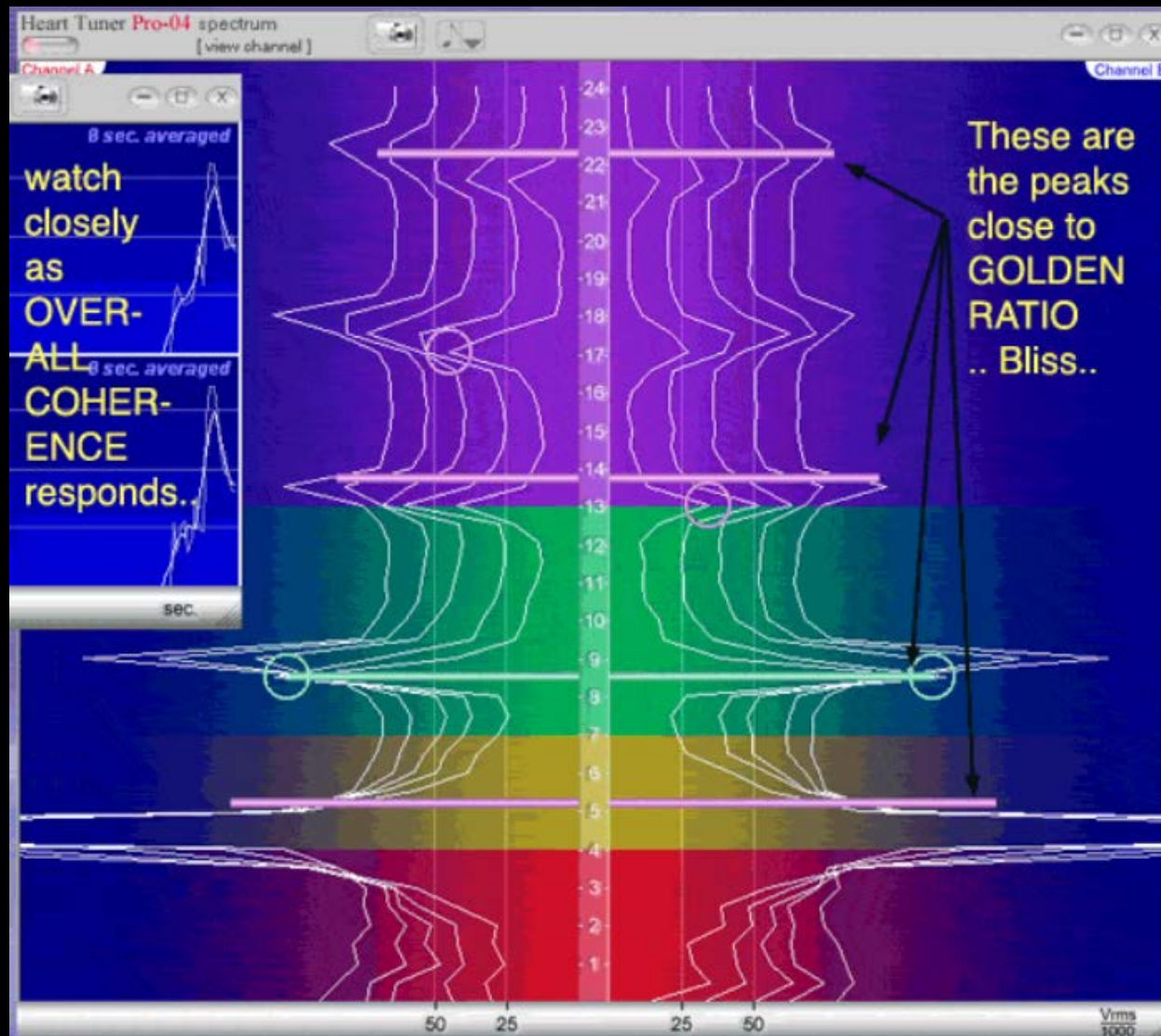


# Golden Ratio in Human Body





# Golden Ratio in Brain Waves



# Fertility and The Golden Ratio

theguardian

home UK world sport football opinion culture business lifestyle fashion environment tech travel

≡ browse all sections

home > science

## Mathematics

Alex Bellos's Adventures  
in Numberland

### Golden ratio discovered in uterus

Belgian gynaecologist measures reproductive organs of 5,000 women and finds that the most fertile have 'mathematically perfect' dimensions

Alex Bellos

@alexbellos

Tuesday 14 August 2012 13:35 BST



Shares Comments

767

121

Save for later



The study suggests that when women are at their most fertile, between 16 and 20, the proportions of their uteruses reflect the golden ratio. Photograph: Alamy

The golden ratio is a scientific nugget that has, for at least two thousand years, belonged as much to mysticism as to mathematics

#### Most popular



Michael Phelps taught a lesson for once - by Joseph Schooling | Andy Bull



Rio Olympics 2016: Ennis-Hill out in front as Solo rant causes a storm - live!



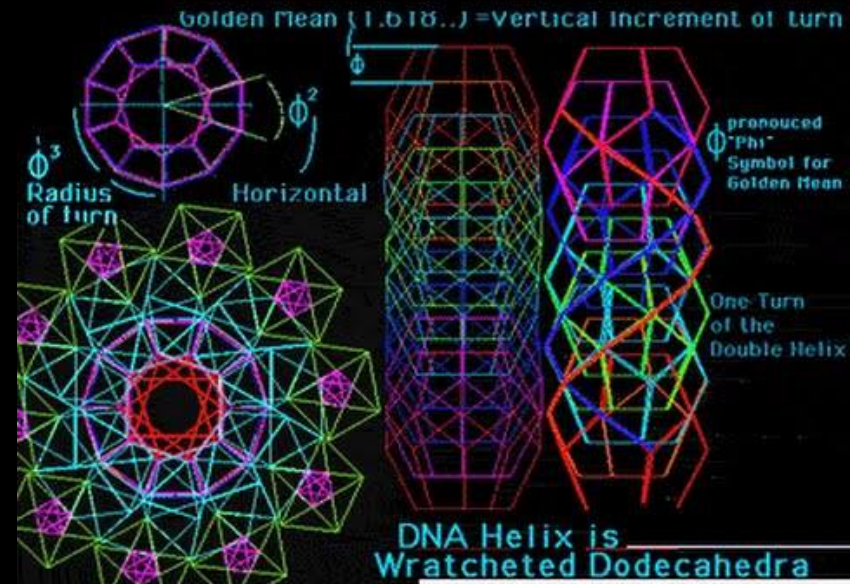
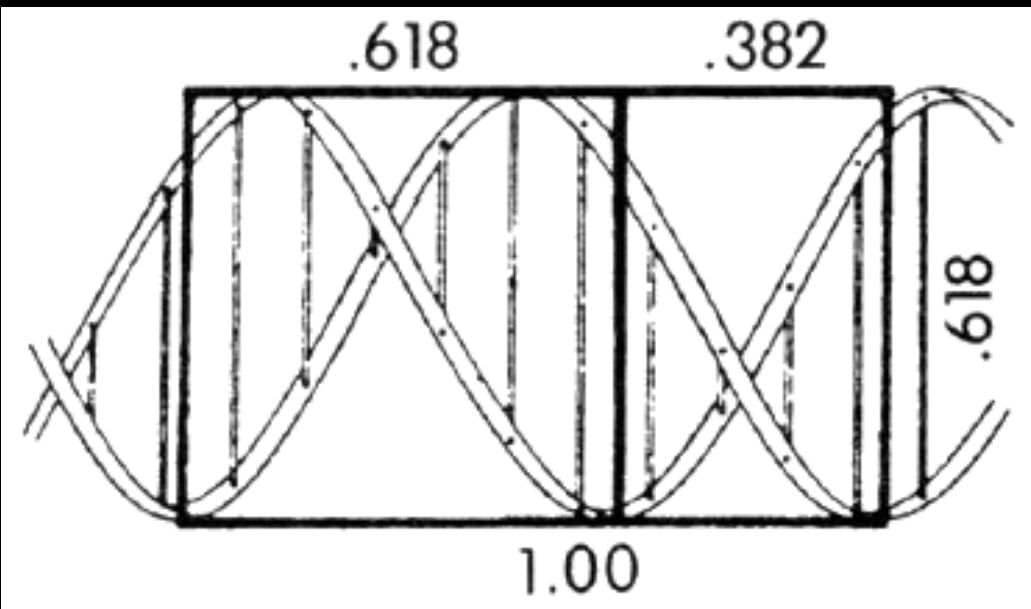
Trump claims 'cheating' is only way he can lose Pennsylvania



Have we detected an alien megastructure in space? Keep an open mind | Seth Shostak

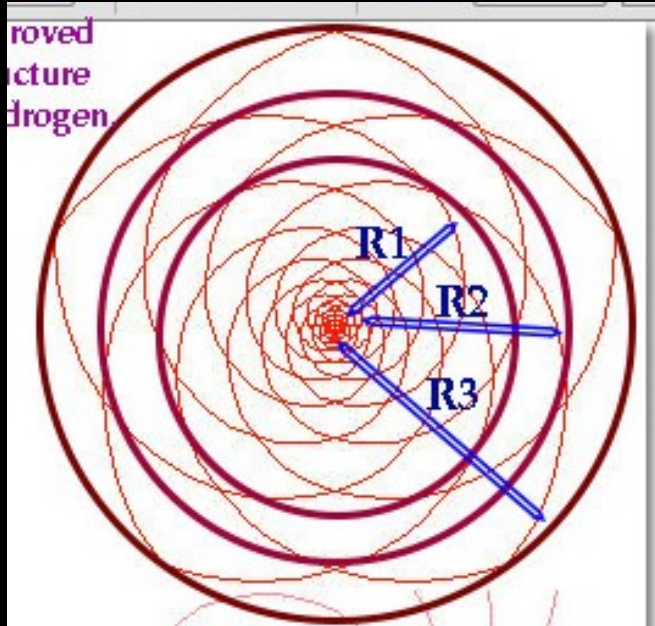


# Golden Ratio in DNA





# Golden Ratio in Quantum Field



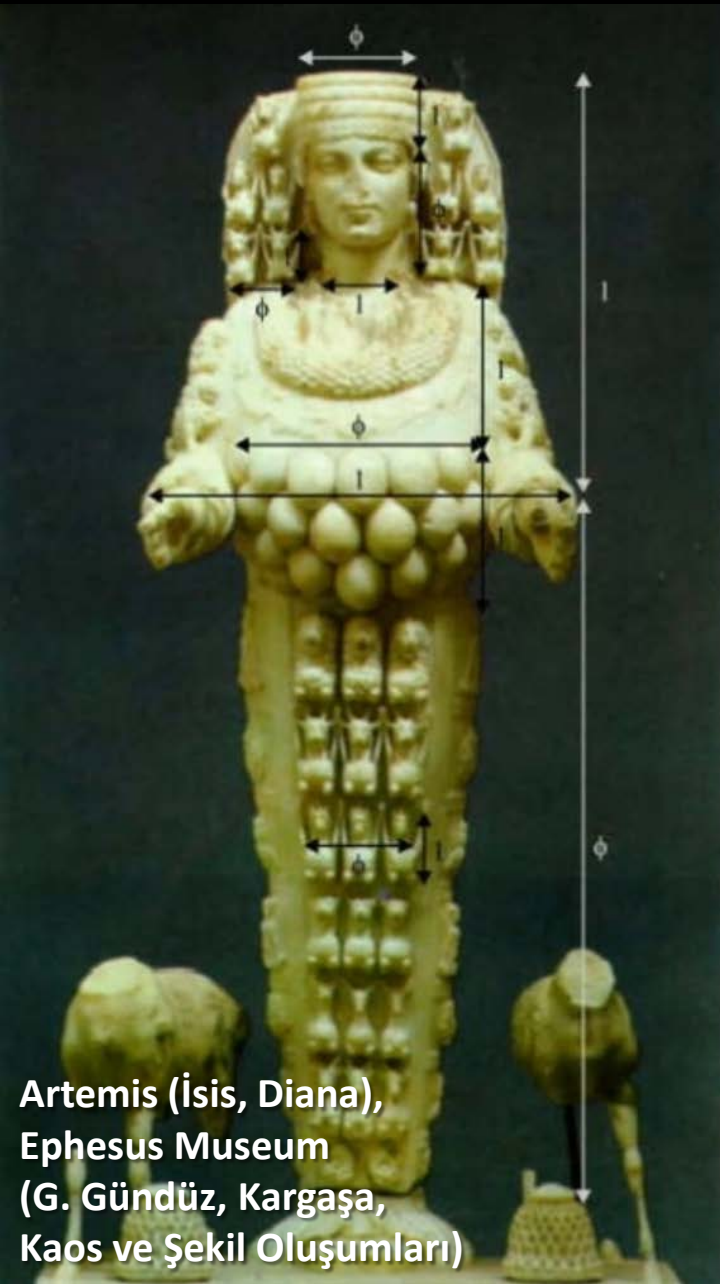
Dan Winter has proved that hydrogen radii are exact golden ratio phase conjugate multiples of planck fitting perfectly to the universal frequency caduceus which is exactly golden ratio exponents of planck length/time, origin of all biologic negentropy.

# Golden Ratio in Ancient Structures

The Greeks are thought by some to have based the design of the Parthenon on this proportion. (438 BC)



# Golden Ratio in Historical Artifacts



Artemis (İsis, Diana),  
Ephesus Museum  
(G. Gündüz, Kargaşa,  
Kaos ve Şekil Oluşumları)



(Zeus, Enlil)

(Historisches Museum, Frankfurt)

(<http://tarihvearkeoloji.blogspot.com.tr/2014/08/reading-history-from-gravestones-and.html>)

(Historisches Museum, Frankfurt)

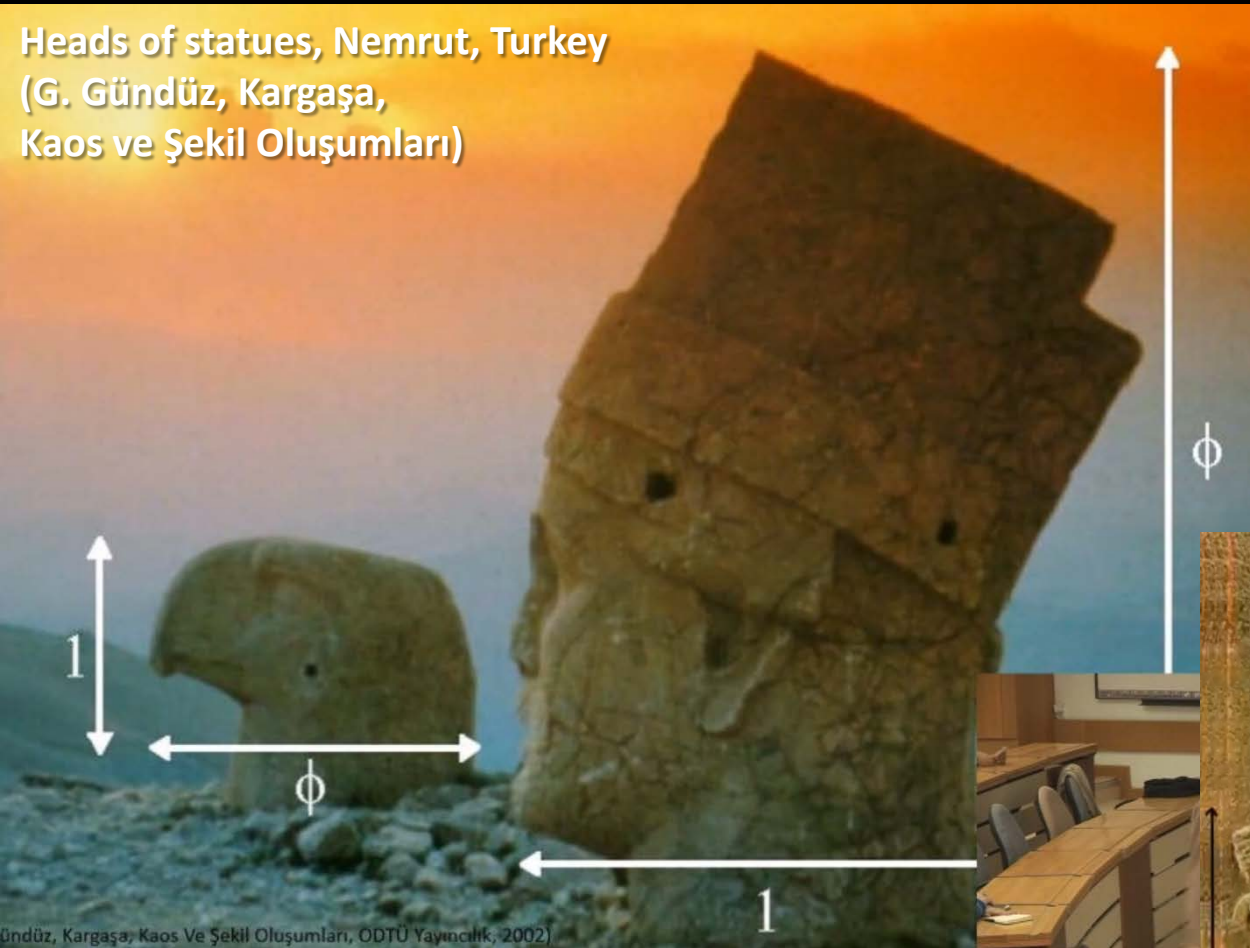


(Seljuk head, 12-13 cent)

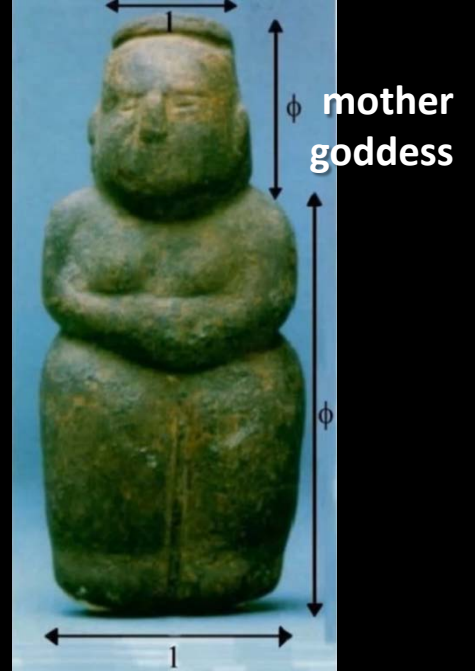


# Golden Ratio in Historical Artifacts

Heads of statues, Nemrut, Turkey  
(G. Gündüz, Kargaşa,  
Kaos ve Şekil Oluşumları)



Gündüz, Kargaşa, Kaos Ve Şekil Oluşumları, ODTU Yayıncılık, 2002)

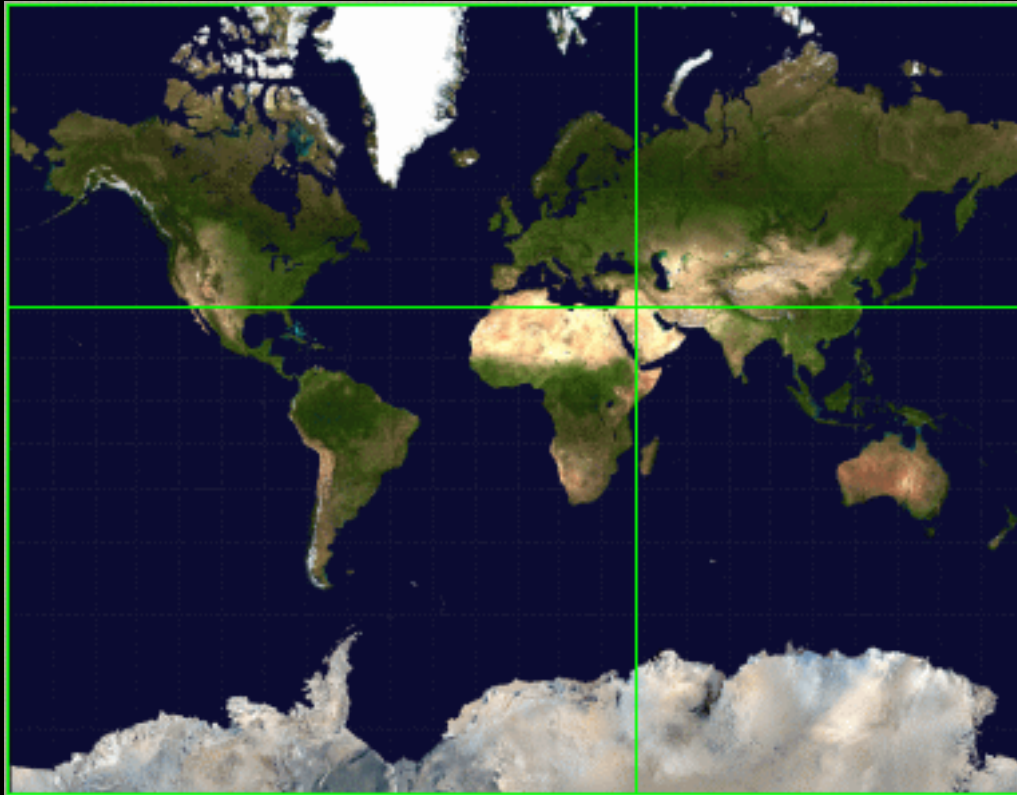


mother  
goddess

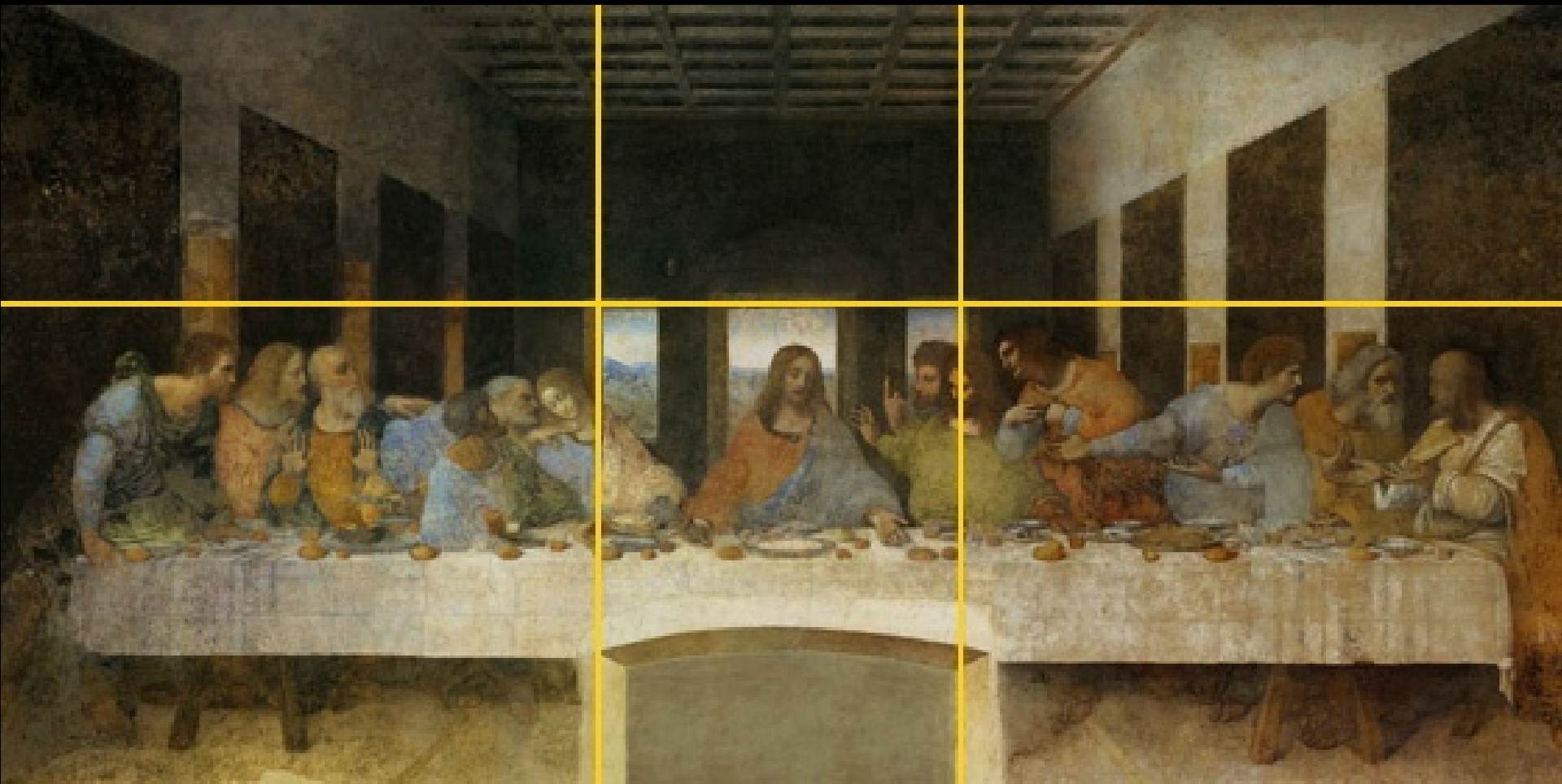
Museum of Anatolian Civilizations  
(G. Gündüz, Kargaşa,  
Kaos ve Şekil Oluşumları)



# Golden Ratio in Sacred Lands



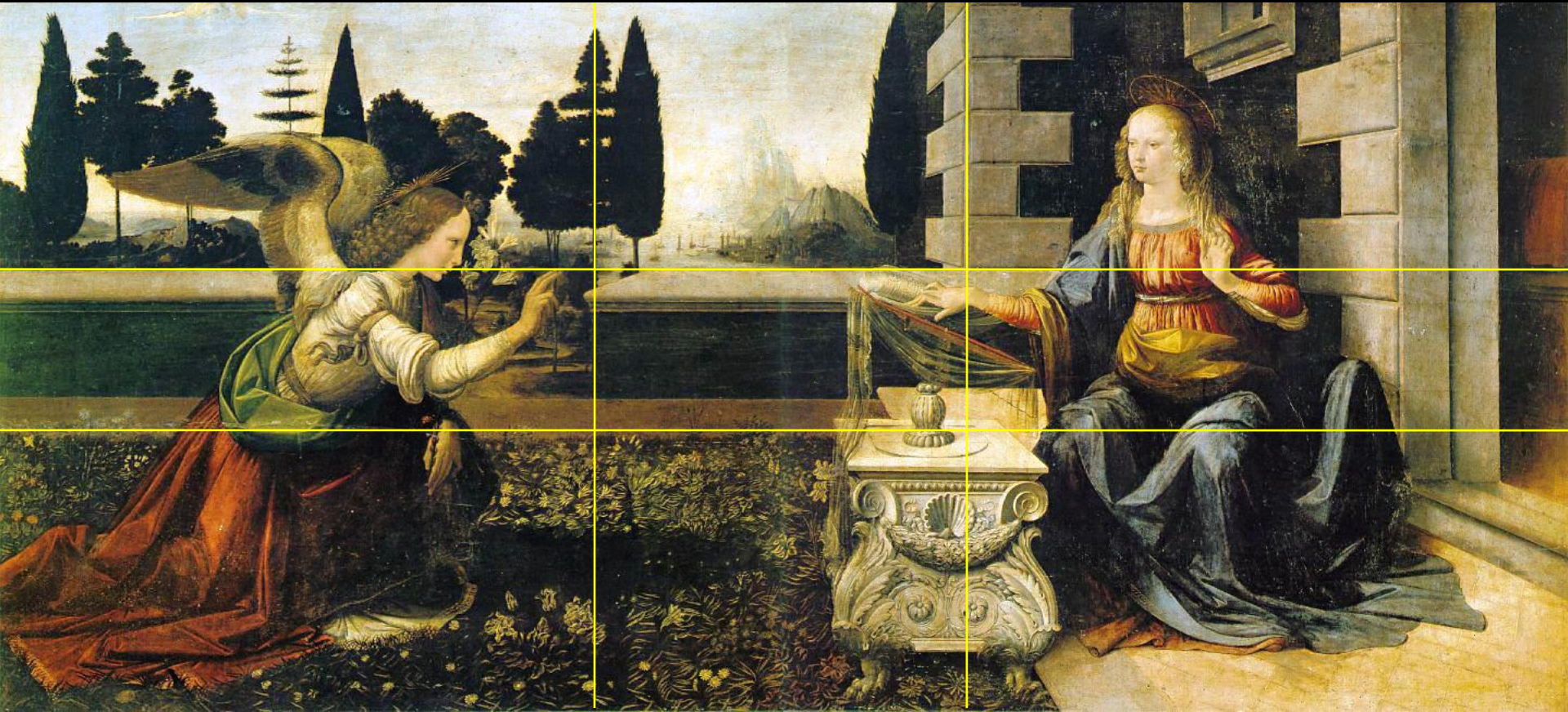
# Golden Ratio in Art



Leonardo da Vinci, The last supper (1496)



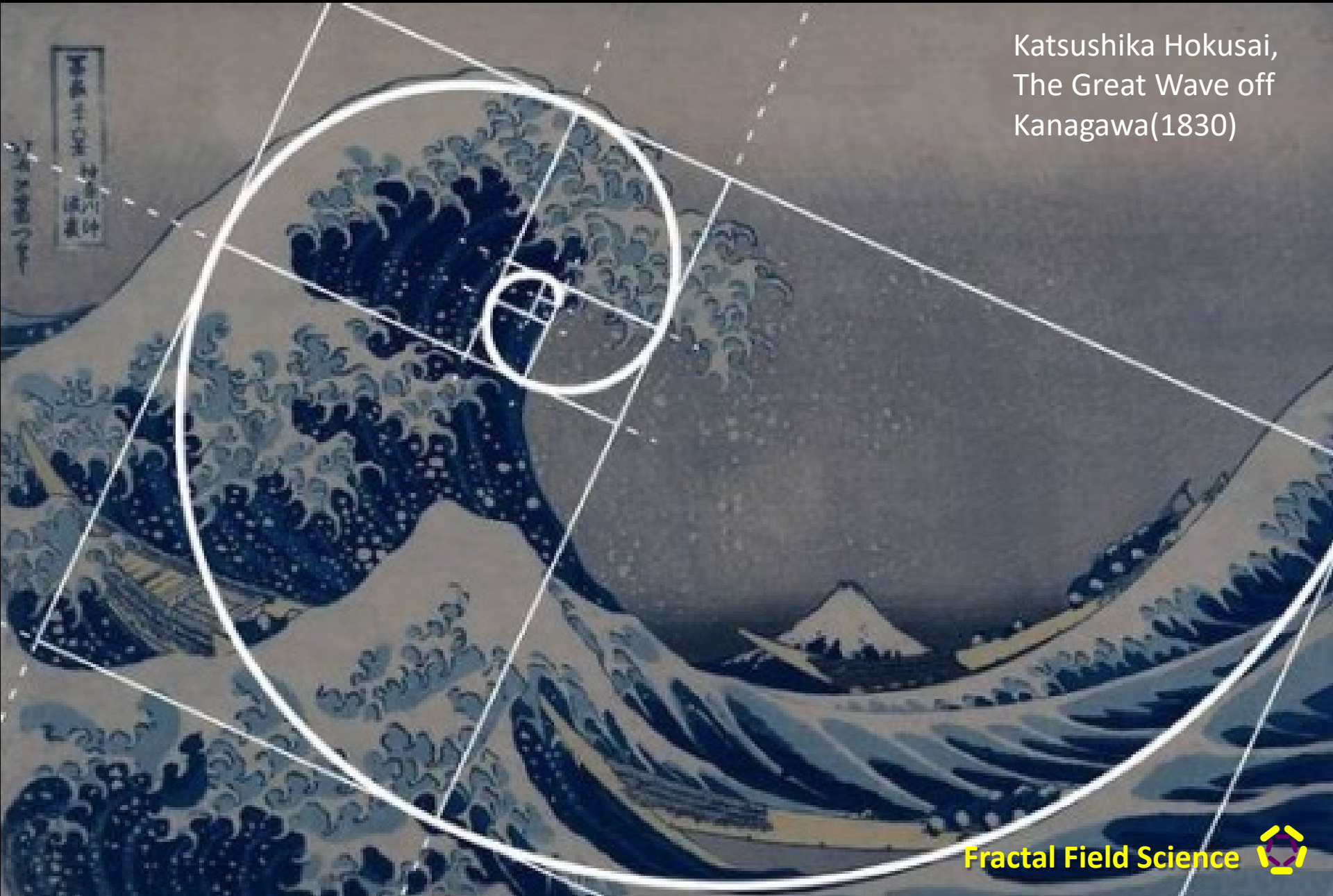
# Golden Ratio in Art



Leonardo da Vinci, Annunciation (1473)

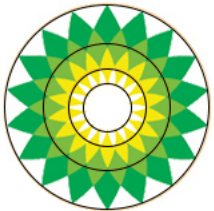
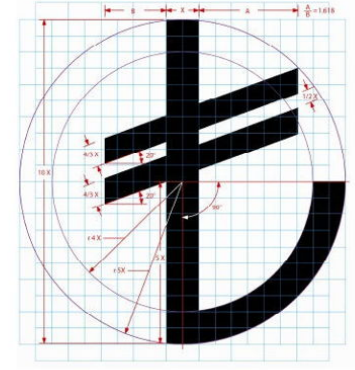
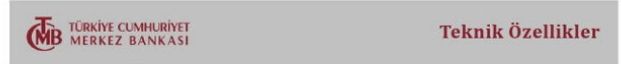
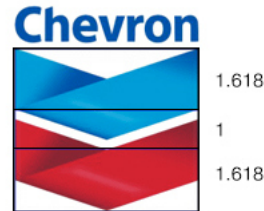
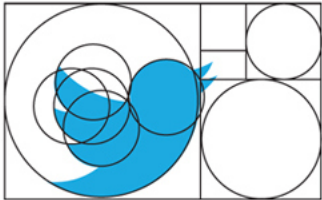
# Golden Ratio in Art

Katsushika Hokusai,  
The Great Wave off  
Kanagawa(1830)

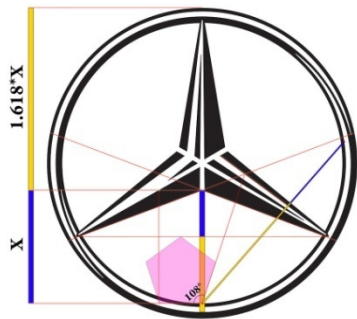
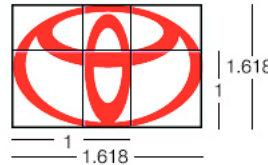
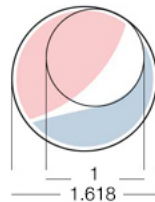




# Golden Ratio in Logos



The concentric circles follow Golden Ratio  
Yep, that's a \$221M design ladies & gents!



Mercedes-Benz

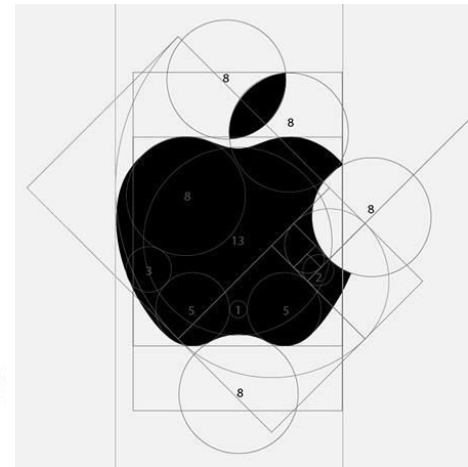
ShamanAKA11



800 pixels outer circle

500 pixels inner circle

$$800/500 = 1.618$$





# Fibonacci Series

1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89 etc.

$$34 + 55 = 89$$

The  
Fibonacci  
Sequence

$$0+1=1$$

$$1+1=2$$

$$2+3=5$$

$$3+5=8$$

$$5+8=13$$

$$8+13=21$$

$$13+21=34$$

$$21+34=55$$

$$34+55=89$$

$$55+89=144$$

$$89+144=233$$

$$144+233=377$$

$$233+377=610$$

$$377+610=987$$

$$610+987=1597$$

$$987+1597=2584$$

$$1597+2584=4181$$

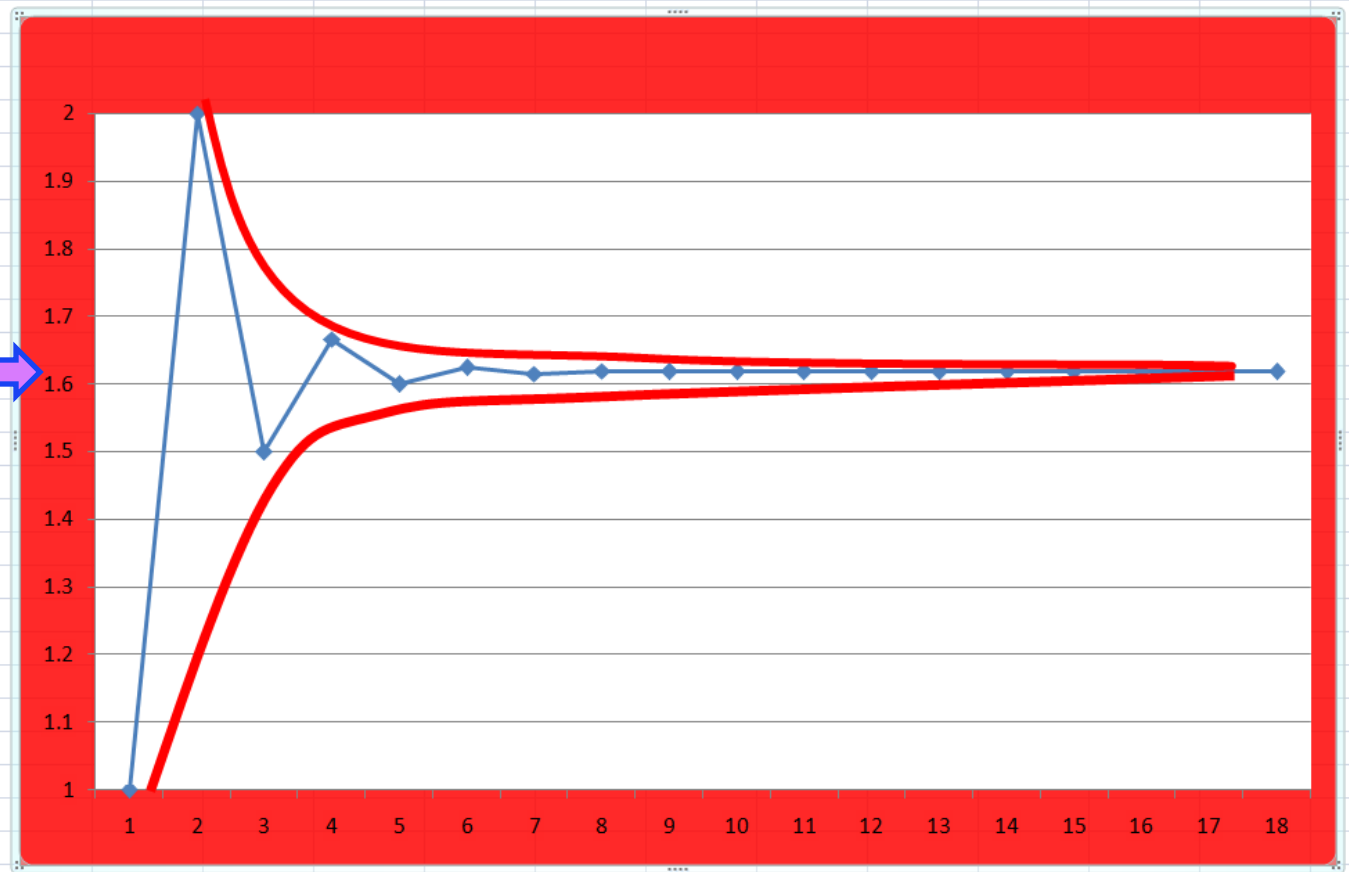
$$2584+4181=6765$$

(etc...)

# Fibonacci Series and the Golden Ratio

1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89 etc.

$1/1=1.000000000...$   
 $2/1=2.000000000...$   
 $3/2=1.500000000...$   
 $5/3=1.666666666...$   
 $8/5=1.600000000...$   
 $13/8=1.625000000...$   
 $21/13=1.615384615...$   
 $34/21=1.619047619...$   
 $55/34=1.617647059...$   
 $89/55=1.618181818...$   
 $144/89=1.617977528...$   
 $233/144=1.618055555...$   
 $377/233=1.618025751...$   
 $610/377=1.618037135...$   
 $987/610=1.618032787...$   
 $1597/987=1.618034448...$   
 $2584/1597=1.618033813...$   
 $4181/2584=1.618034056...$   
 $6765/4181=1.618033963...$

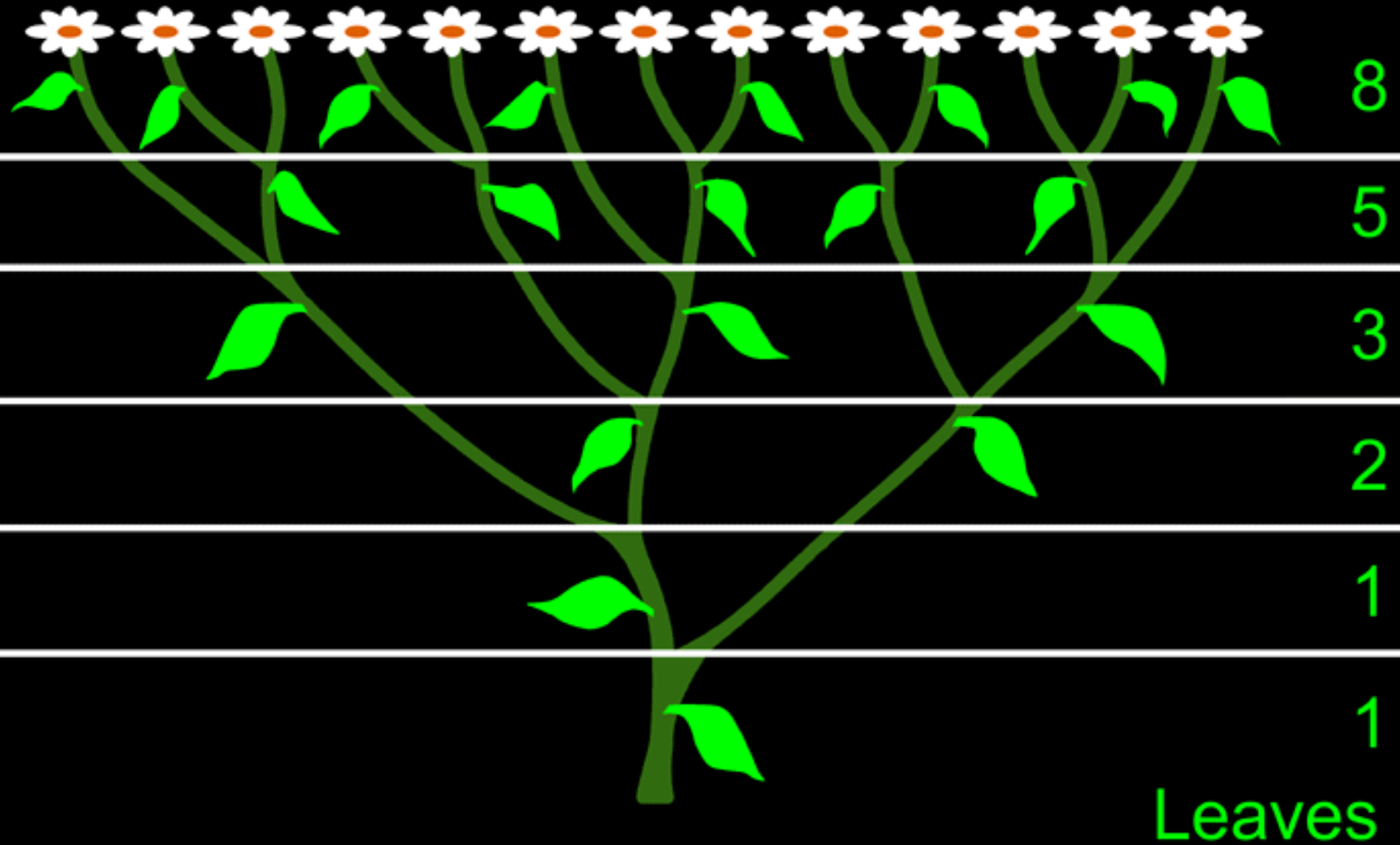


# Fibonacci Series





# Fibonacci Series



# Fibonacci Series in Plants



*white calla lily*  
1 petal



*Euphorbia*  
2 petals



*Trillium*  
3 petals



*Columbine*  
5 petals



*Bloodroot*  
8 petals



*black-eyed susan*  
13 petals



*shasta daisy*  
21 petals



*field daisies*  
34 petals

[www.scientasia.com/course/sequence-series-progression](http://www.scientasia.com/course/sequence-series-progression)

# Golden Ratio at all Scales from Micro to Macro

Dan Winter's original equation for ORIGIN OF NEGENTROPY  
 PHASE CONJUGATE NEGENTROPIC /IMPLOSIVE CHARGE COLLAPSE  
 Planck length(or time) x Golden Ratio ^ Integer N

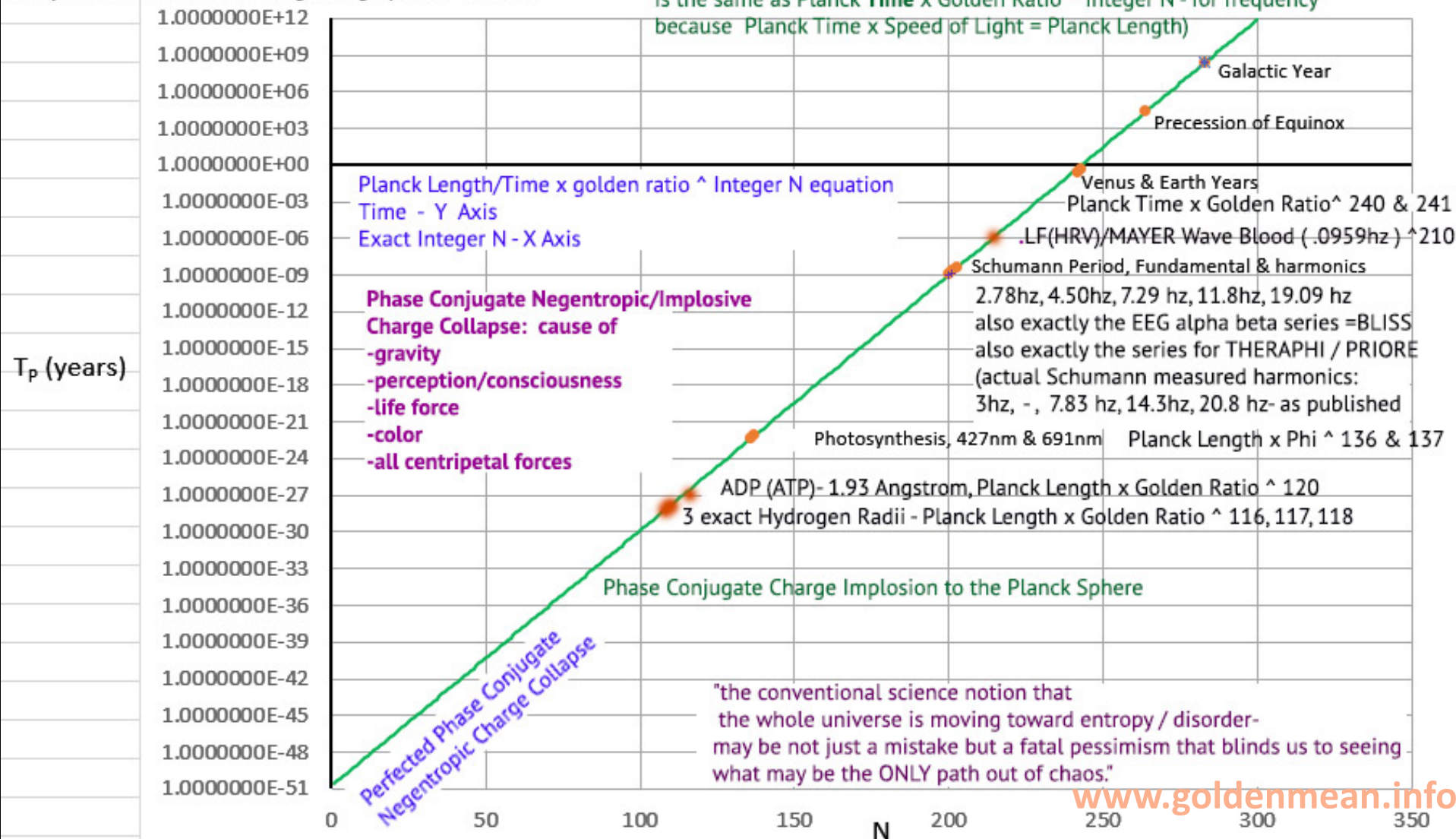
many thanks to Mark Rohrbach for graphical assistance

$T_P$  vs. N

log Y-axis

$$T_P = \text{PlanckTime} \times \phi^N$$

(note for EM radiation: Planck Length x Golden Ratio ^ Integer N - for wavelength  
 is the same as Planck Time x Golden Ratio ^ Integer N - for frequency  
 because Planck Time x Speed of Light = Planck Length)





# Planck Length



Article

Talk

Read

Edit

View history

Search Wikipedia

## Planck length

From Wikipedia, the free encyclopedia

In physics, the **Planck length**, denoted  $\ell_P$ , is a unit of length, equal to  $1.616\,229(38) \times 10^{-35}$  metres. It is a base unit in the system of Planck units, developed by physicist Max Planck. The Planck length can be defined from three fundamental physical constants: the speed of light in a vacuum, the Planck constant, and the gravitational constant.

**Contents** [hide]

### Value [edit]

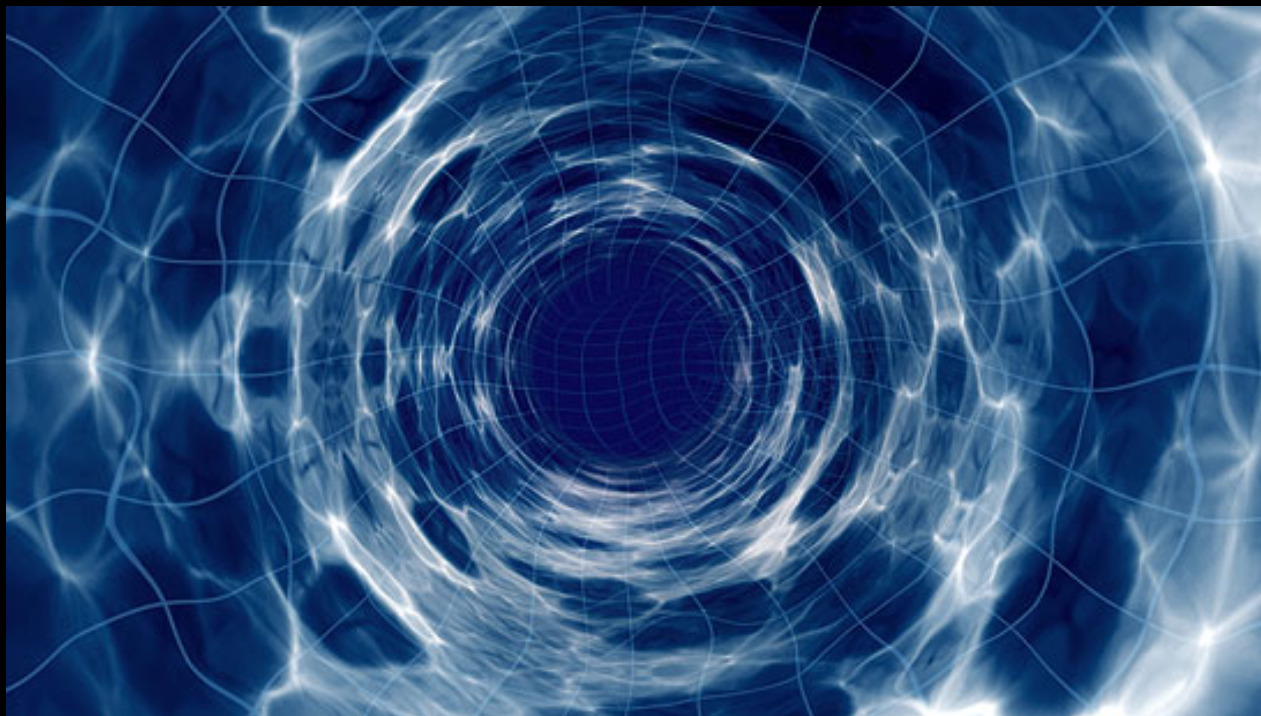
The Planck length  $\ell_P$  is defined as

$$\ell_P = \sqrt{\frac{\hbar G}{c^3}} \approx 1.616\,229(38) \times 10^{-35} \text{ m}$$

where  $c$  is the speed of light in a vacuum,  $G$  is the gravitational constant, and  $\hbar$  is the reduced Planck constant.

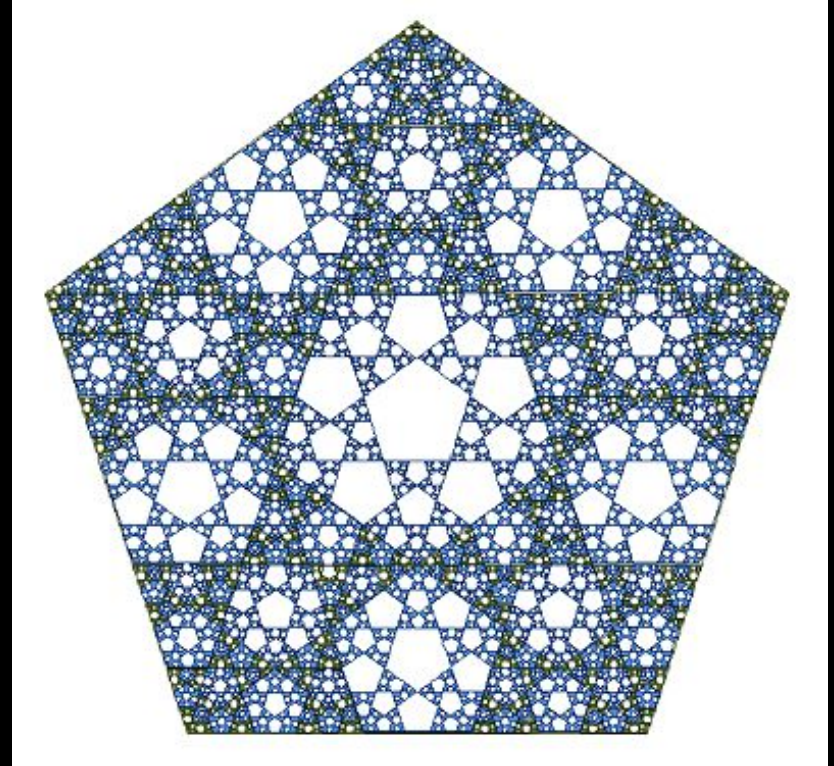
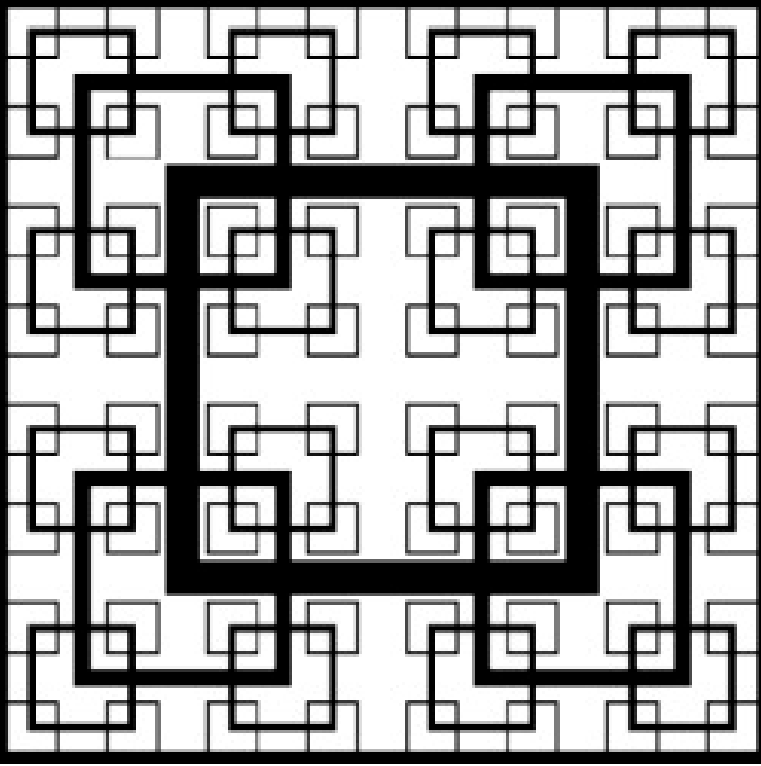
# Quantum Tunnelling Time

Wikipedia: "CHIAO - has become well known in the field of quantum optics due to several important experiments. Based on former experiments carried out by Günter Nimtz in 1992[1] he measured the quantum tunneling time, which was found to be between 1.5 and 1.7 times the speed of light. " ( 1.618 is golden ratio )



# How do you feel about the two fractals?

---





# Bioactive field: A space which supports life

# Distribution of Charge VS Isolation of Charge



1.618 (Phi -  $\Phi$ ): max constructive, bioactive, distributing charge  
Multiples of 2 (octave): max destructive, isolating charge



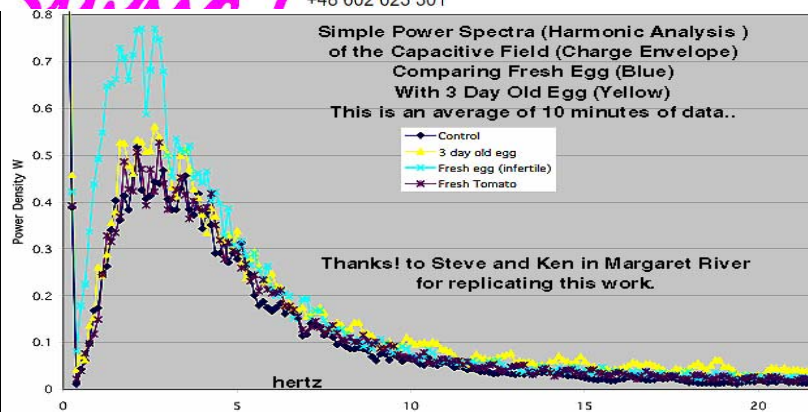
# Measuring the Life Force, Charge Capacitance

Here is a June 24, 2005 - Update- we have evolved very developed techniques to gold coat our spherical transducers, cast in Paris, Vacuum coated in Poland-Dan Winter's Golden eggs -Vacuum coating - gold silver aluminium magnesium fluoride



Studio 7  
Poland  
+48 602 623 301

[www.goldenmean.info](http://www.goldenmean.info)



Dan Winter and team, 2003



# Measuring the Life Force, Charge Capacitance

	A	B	C	D	E	F	G	H	I	J
1		Area	AreaNorm	AverageIntens	Numberoffrag	Formcoef	Entropyisol	Fractalityisol	Fractalityerror	MeanRisoline
2	...0001.bmp	17194	0	91.81	1	2.61	1.88	1.92	0.07	65.56
3	...0002.bmp	17887	948.93	93.64	1	3.04	1.45	1.87	0.09	61.21
4	...0003.bmp	19008	403.36	99.21	1	3.04	1.85	1.86	0.12	60.35
5	...0004.bmp	18578	657.06	98.69	1	3.06	1.78	1.86	0.12	61.25
6	...0005.bmp	19920	1056.79	102.02	1	3.04	1.13	1.74	0.07	62.96
7	...0006.bmp	19781	0	100.82	1	2.61	1.86	1.88	0.07	67.72
8	...0007.bmp	19937	0	99.29	1	2.74	1.89	1.85	0.07	67.78
9	...0008.bmp	20321	404.27	103.21	1	2.85	1.96	1.8	0.07	64.58
10	...0009.bmp	19679	189.82	103.13	1	3.48	1.54	1.71	0.07	59.86
11	...0010.bmp	20018	0	101.1	1	2.67	1.98	1.87	0.06	68.15
12										
13	Mean	19232.3	366.02	99.29	1	2.91	1.73	1.84	0.08	63.94
14	RMS	1039	404.14	3.82	0	0.27	0.27	0.07	0.02	3.25

HOW ELECTRIC ENGINEERS MEASURE  
AND DESIGN SACRED SPACE-

TECHNOLOGY NUMBER TWO: Discussion at  
goldenmean.info/ architecture

MEASURE FRACTALITY IN AIR  
(KOROTKOV - GDV  
type "gdv sputnik" ir

When a spark of char  
in the air in your spac  
'DNA Radio' (collect  
SPACE IS SACRED!

Ability for charge to propagate  
(fractality) defines growth  
likelihood in AIR

in the same way- fractality  
is REDOX predicts life in water!

GDV in AIR- near metal  
wall in barn..

GDV Charge Radiance Efficiency  
GDV in AIR -  
GDV AREA compare

Sacred Tree

Dead  
Metal  
Area in Barn

GDV in AIR (Charge  
Radiance efficiency..

under  
huge  
SACRED  
TREE

The concept is simple- ability for charge to propagat  
to predict biologic growth in  
it is called redox potential- We have pioneered redefi  
react) properly  
as fractality ( charge compression efficiency is charg

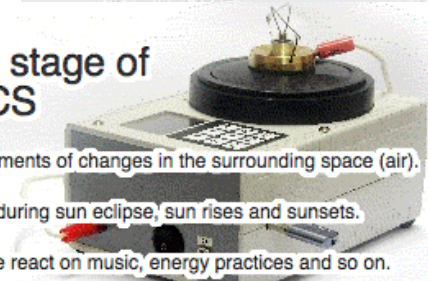
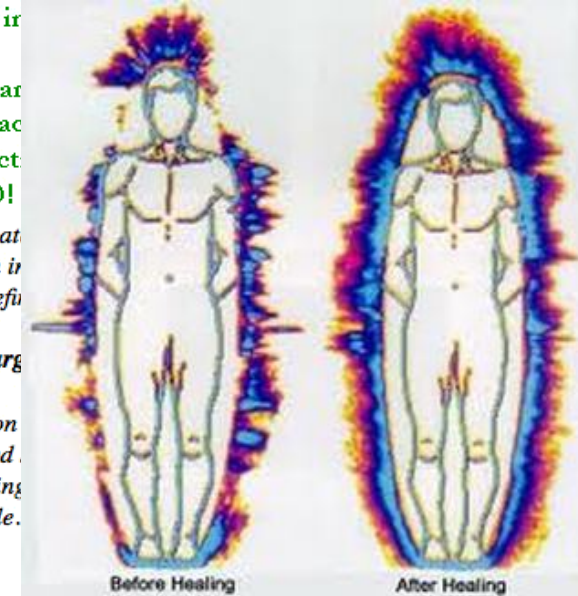
The new information - is that charge distribution  
predictor of growth (sacred  
IS measureable. Simply put - the breath of sacred ting  
is now measureable.

GDV SPUTNIK - New stage of  
ELECTROPHOTONICS

Sensor GDV SPUTNIK is used for measurements of changes in the surrounding space (air).

It can register changes in space conditions during sun eclipse, sun rises and sunsets.

It can "feel" human emotions,i.e. how people react on music, energy practices and so on.

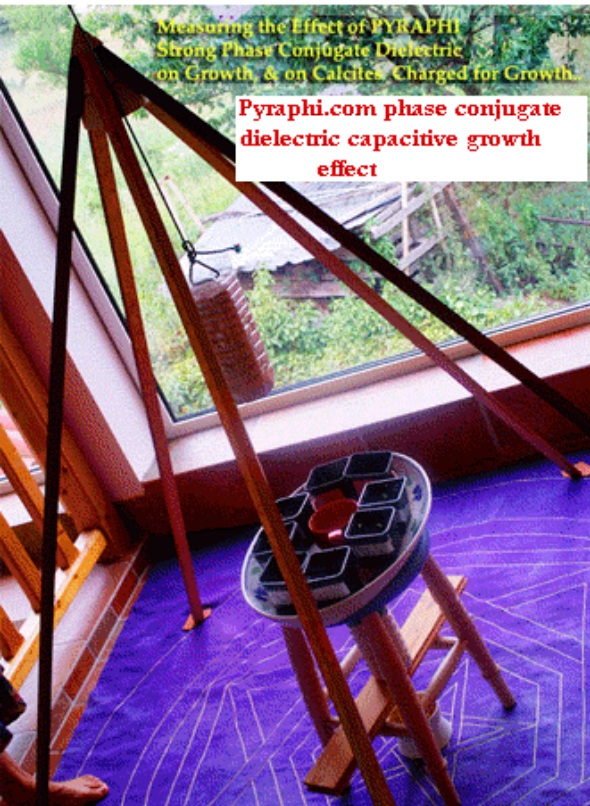


GDV Sputnik, Dr. Korotkov

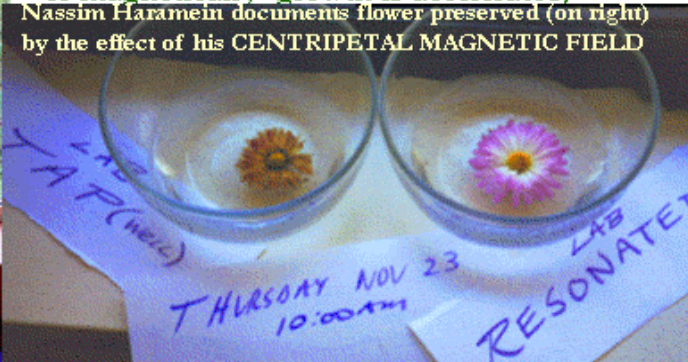


# Measuring the Life Force, Charge Capacitance

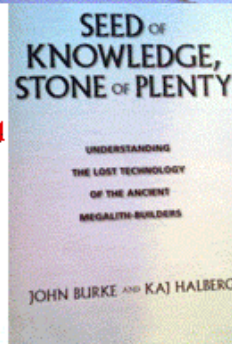
Measuring SACRED SPACE: Technology Number THREE: Measure Seed Germination/



GROWTH EFFECT. If the field is  
CENTRIPETAL (optically, dielectrically,  
or magnetically- growth is accelerated)  
Nassim Haremain documents flower preserved (on right)  
by the effect of his CENTRIPETAL MAGNETIC FIELD



Measuring  
see growth  
effect caused  
by  
Stone  
Circles >



[www.goldenmean.info](http://www.goldenmean.info)

# Fractality in Materials

*Living Structure (Sacred Temple): Breathes Charge*

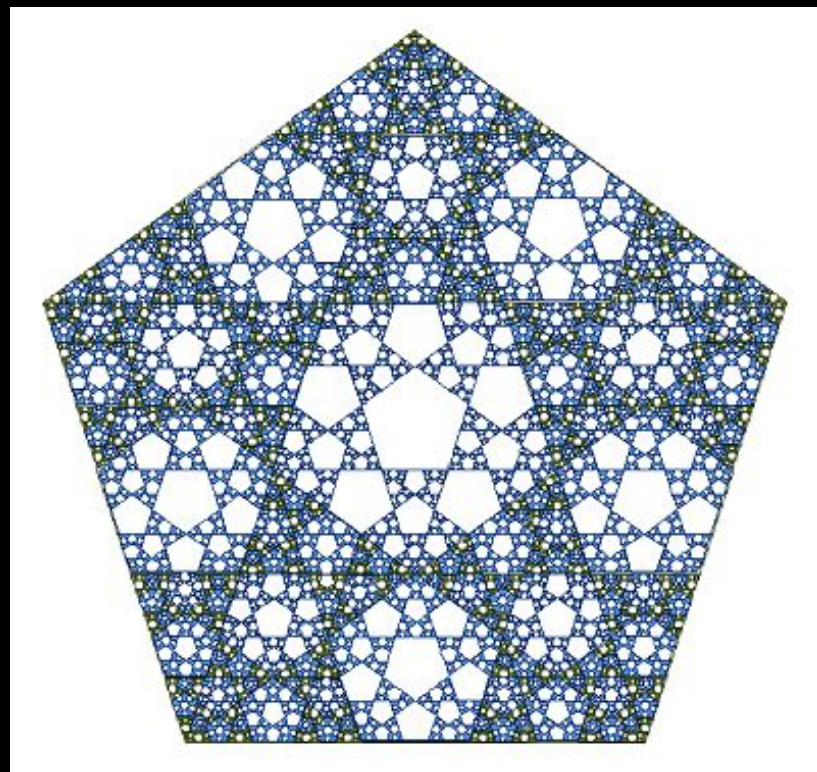
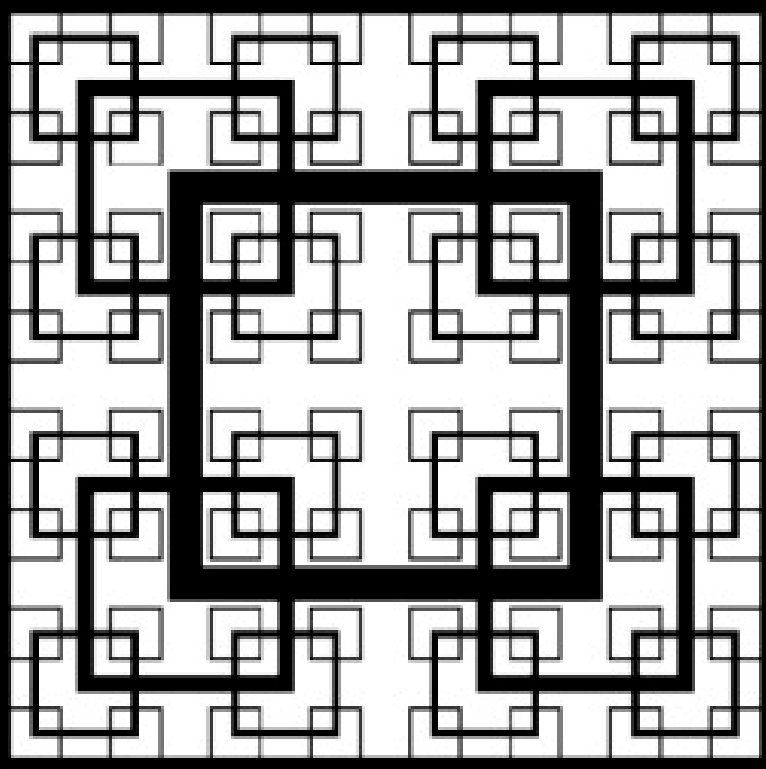
*Biologic Architecture: Choice of Material*

*Symmetry  
Of Charge Compression/  
Harmonic Inclusiveness*

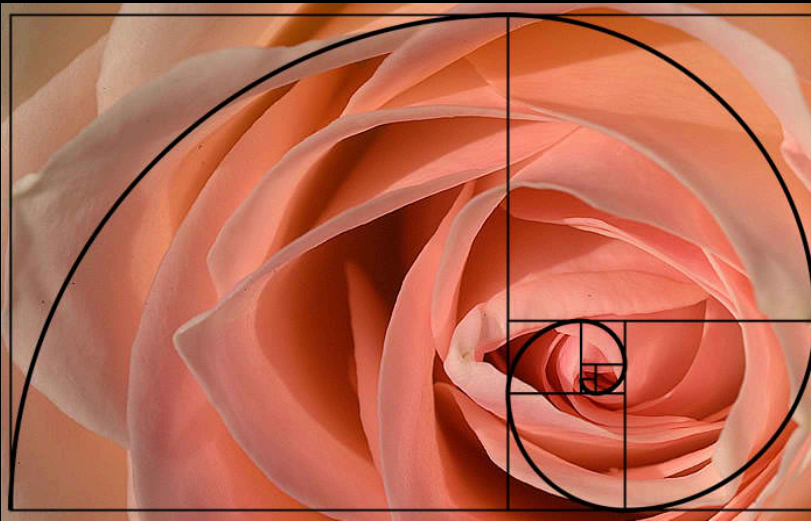
- The work of biology is to get molecules arranged into a fractal- this accomplishes perfected (non-destructive) distribution of charge - called LIFE. Thus relative fractality (self-similarity) in the charge field allows us to define which building materials can fabricate a structure which causes - life, seed germination, bliss. (Measuring success in Architecture)

<p><i>Most Fractal (Charge Field Serves ALL Life)</i></p> <p>↑</p> <p>Shape of Charge Radiance (Capacitive Field / 'Spirit')</p> <p>↓</p> <p><i>Least Fractal (Poisonous to ALL Life)</i></p>	<i>Metals</i>	<i>Woods</i>	<i>Stone..etc.</i>	<i>Fabric</i>
	<p>Gold</p> <p>Palladium</p> <p>Platinum</p> <p>Silver</p> <p>Copper</p> <p>Iron</p> <p>Tin</p> <p>Steel</p> <p>Aluminum</p>	<p>Close Grained</p> <p>Hi Mineral Content</p> <p>Hardwood</p> <p>Coarse Grained</p> <p>Lo Mineral Content</p> <p>Softwood</p>	<p><i>Granite</i></p> <p><i>Limestone/Calc</i></p> <p><i>Paramagnetic Stone</i></p> <p><i>Dimagnetic Stone</i></p> <p><i>Sandstone</i></p> <p><i>Glass</i></p> <p><i>Plastic</i></p> <p><i>Aluminum</i></p>	<p><b>Hemp</b></p> <p><b>Silk</b></p> <p><b>Cotton</b></p> <p><b>Wool</b></p> <p><b>Polyester</b></p>





A fractal field based on golden ratio: breathes charge, becomes a bioactive field.



If you want to find the secrets of the universe,  
think in terms of energy, frequency and vibration.

Nikola Tesla



# Universal Energy



# Qualities of the Universal Energy

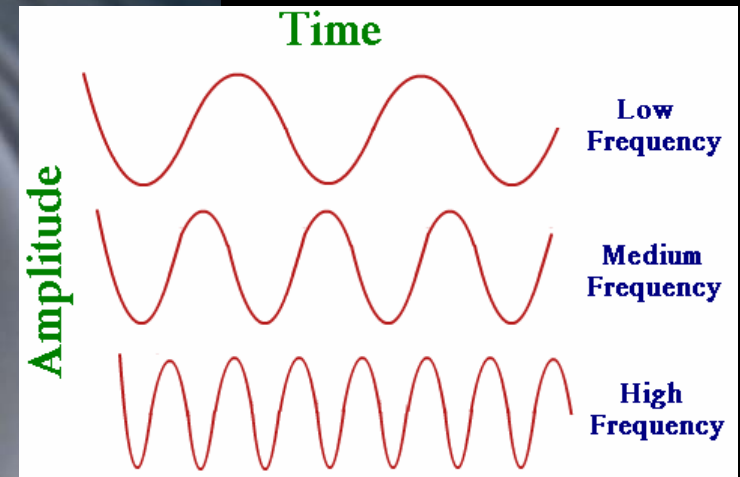
- Compressible
- Behaves like a fluid
- Stores inertia when it rotates
- In certain geometries (fractal, conjugate etc.) it appears to self organize and become intelligent and 'alive'

Dan Winter,  
Fractal Conjugate Space & Time: Cause of Negentropy, Gravity and Perception



# Wave in Physics

In physics, a wave is an oscillation accompanied by a transfer of energy that travels through a medium





# Centrifugal and Centripetal Forces

---



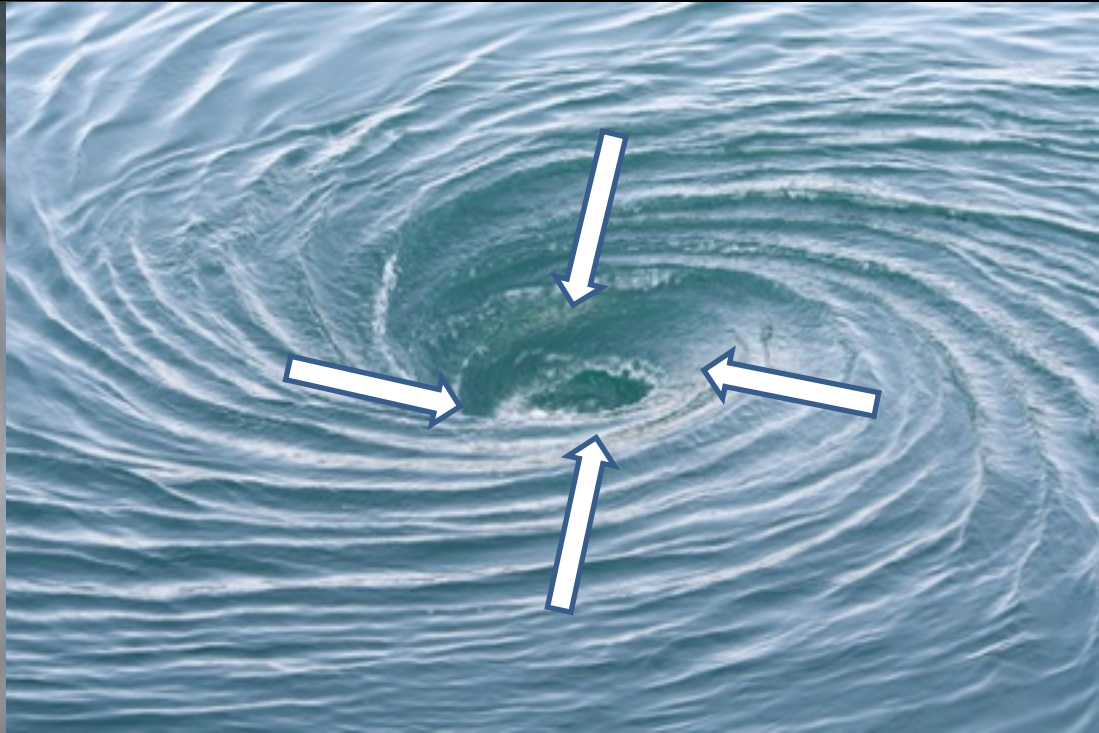
# Centrifugal and Centripetal Forces

---

Explosion

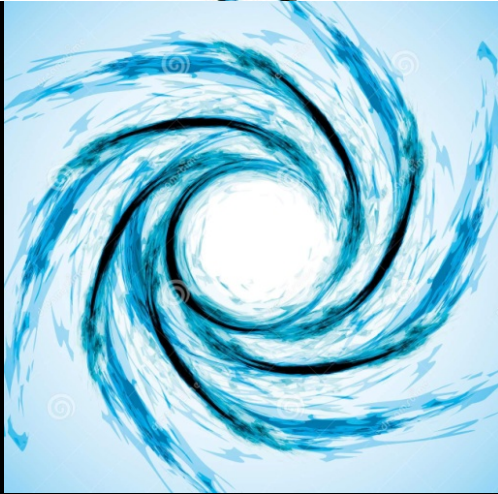


Implosion





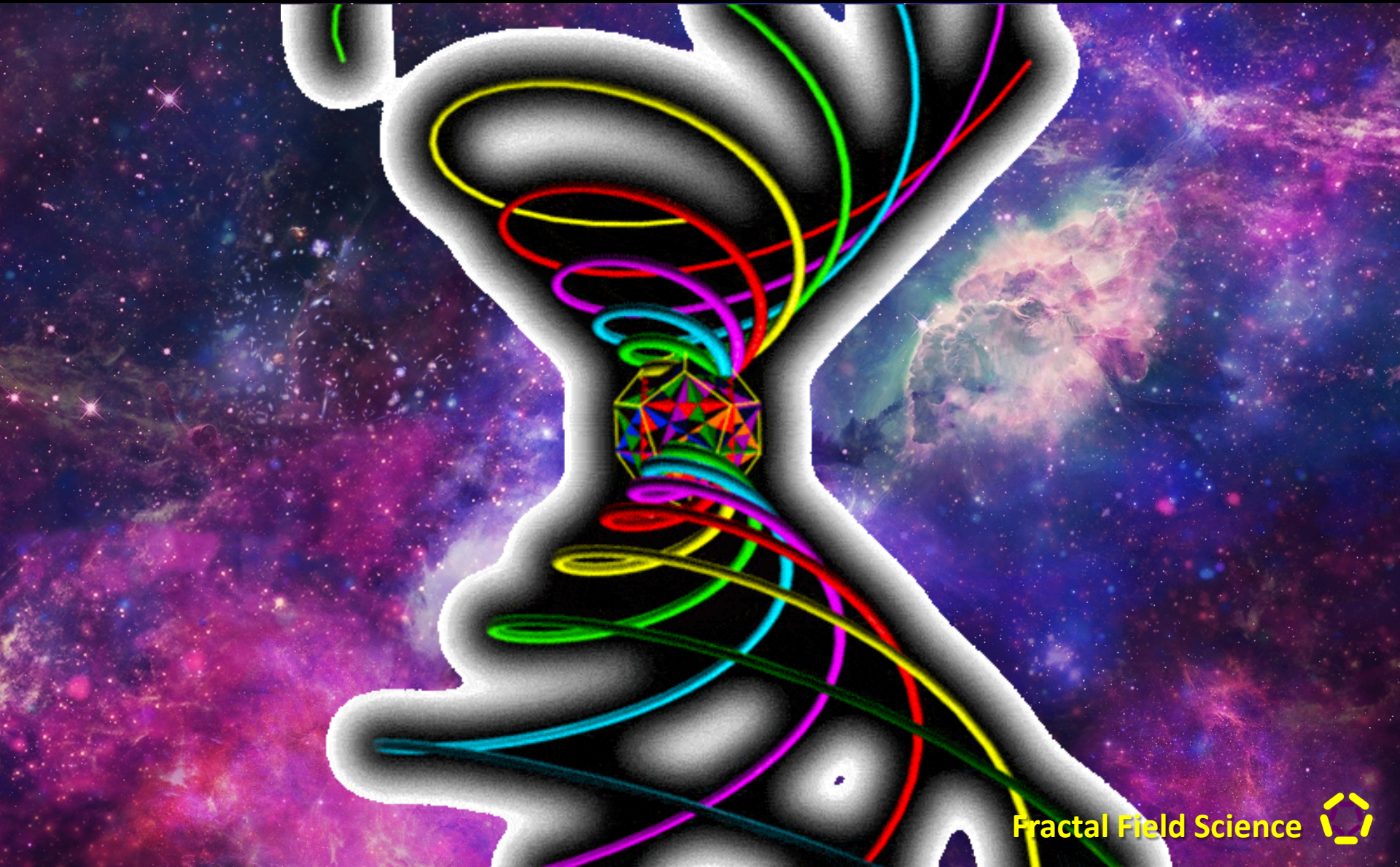
# Centripetal Force – Implosion - Vortex



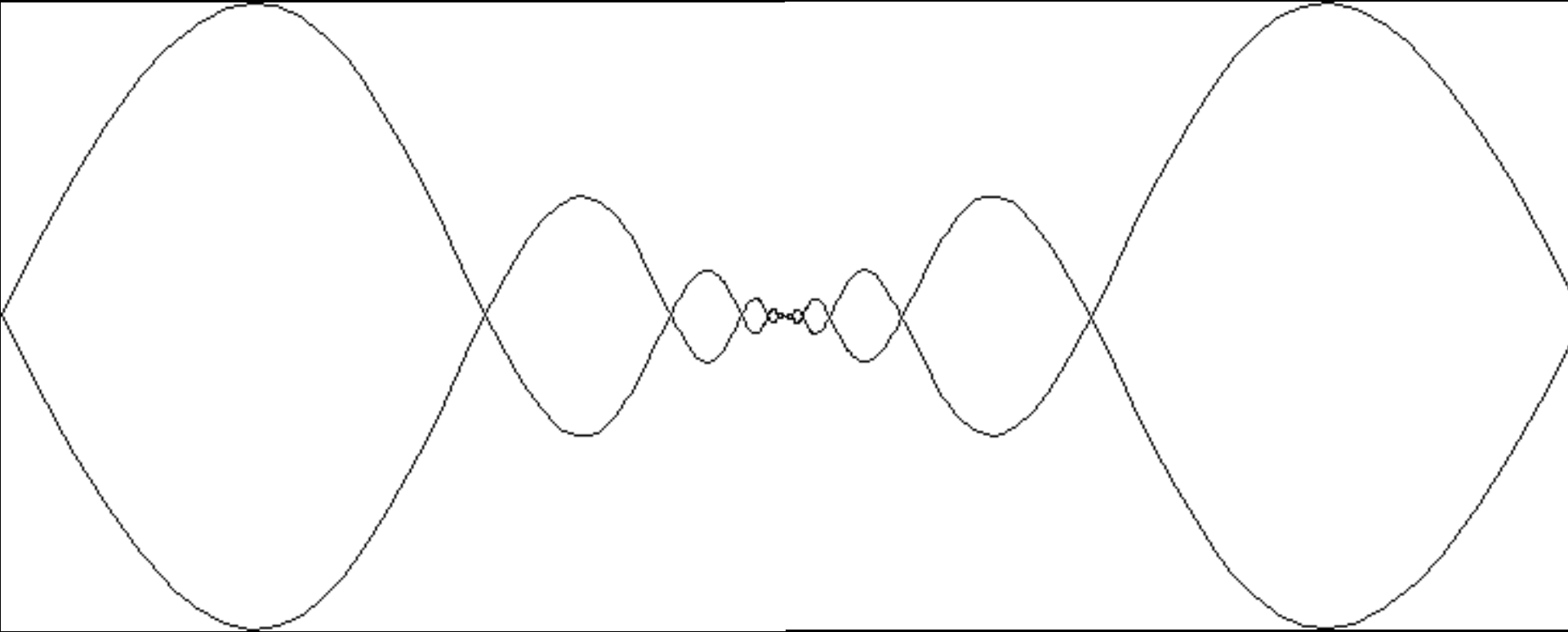


# Phase Conjugate Implosive Collapse

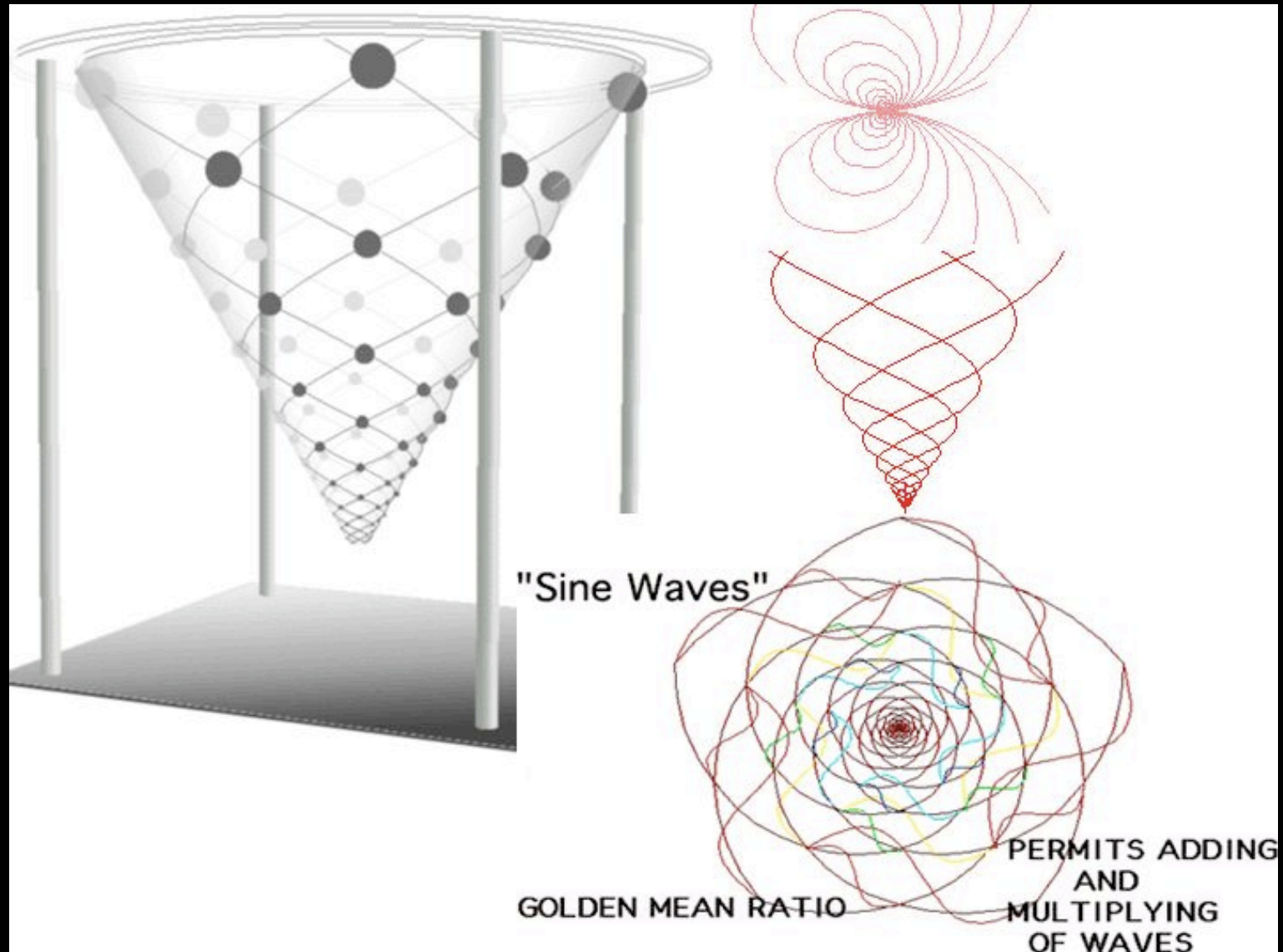
---



# Phase Conjugation



# Phase Conjugation





# Exponents of Golden Ratio

4.235

2.618

1.618

1

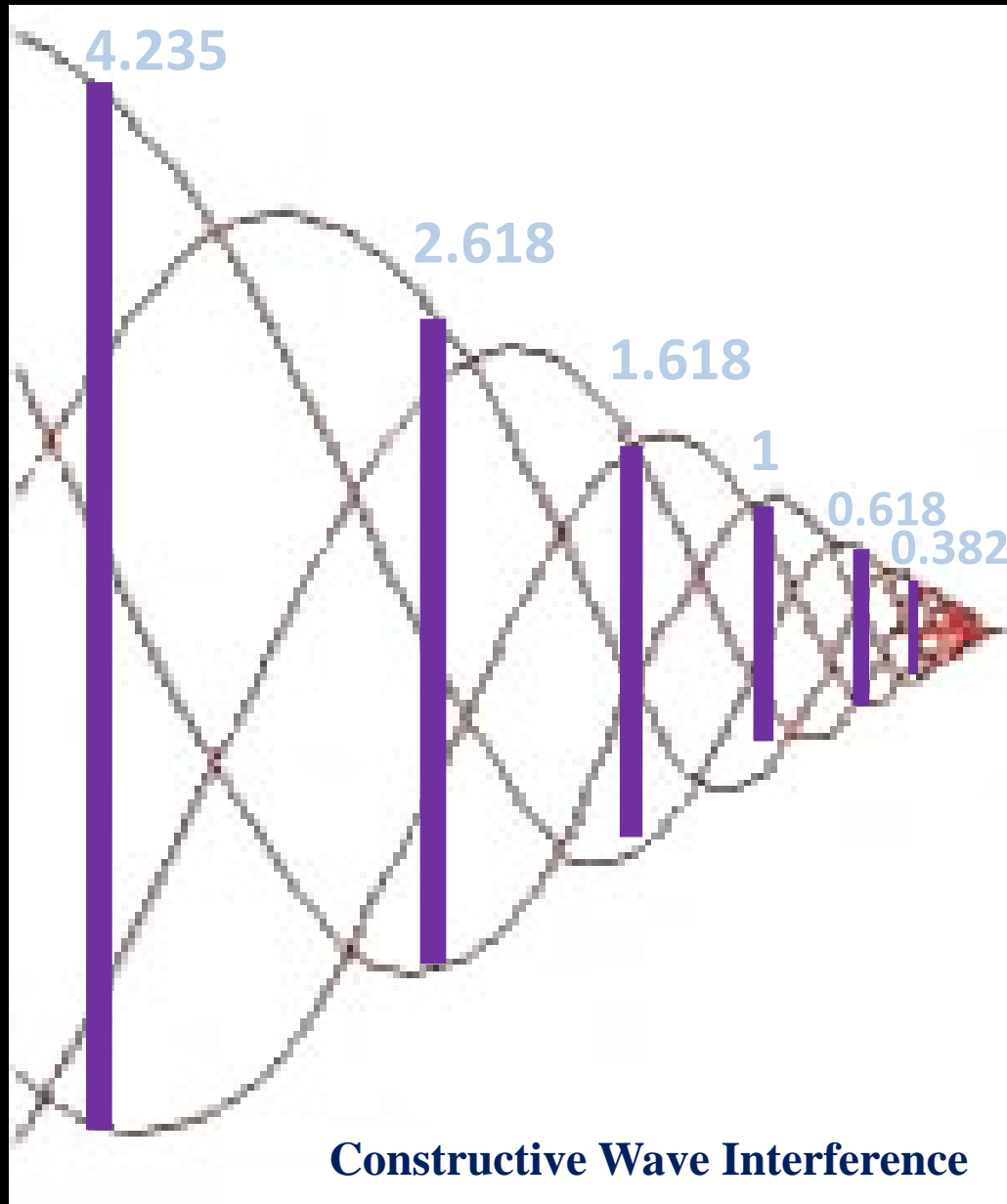
0.618

0.382

1.618



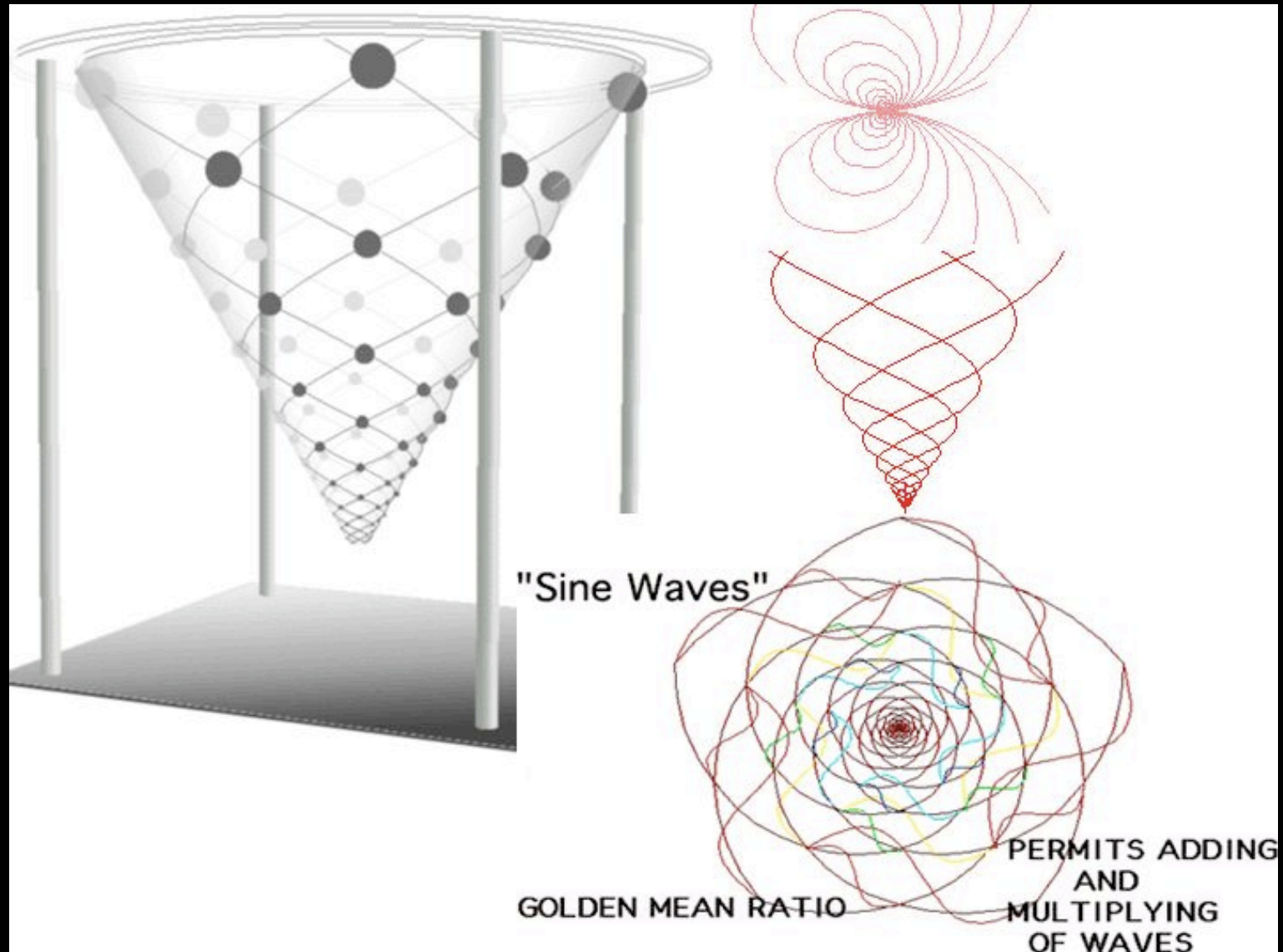
# Exponents of Golden Ratio



Arithmetic mean  
Geometric mean



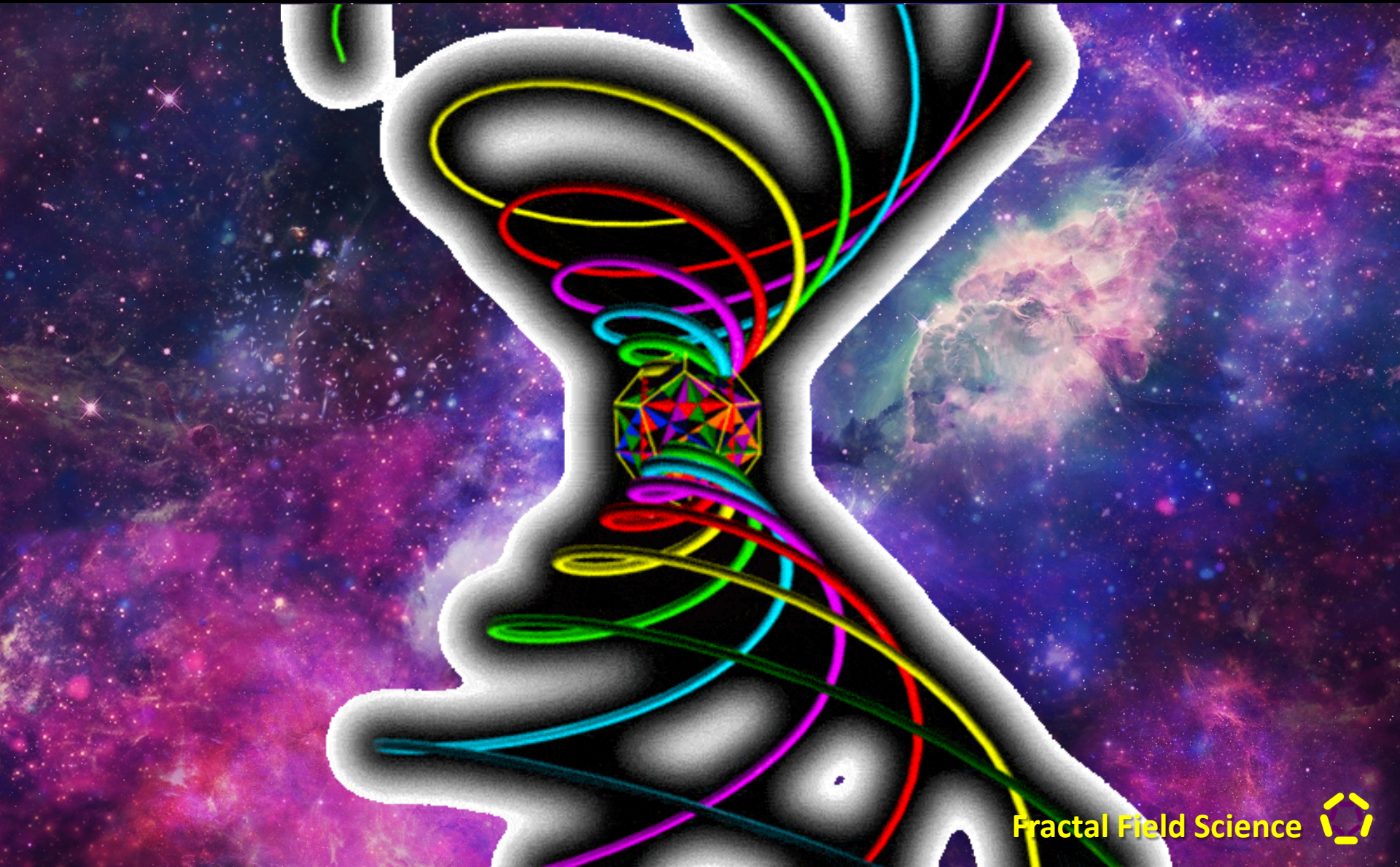
# Phase Conjugation



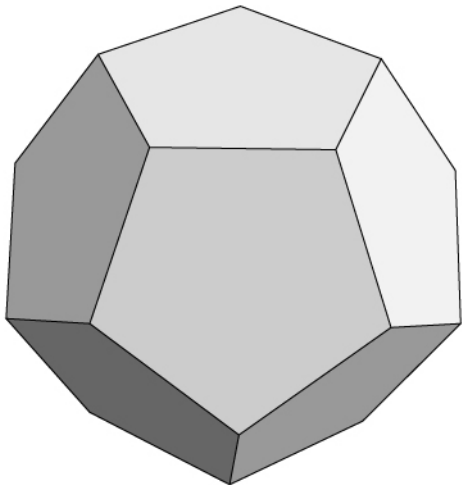
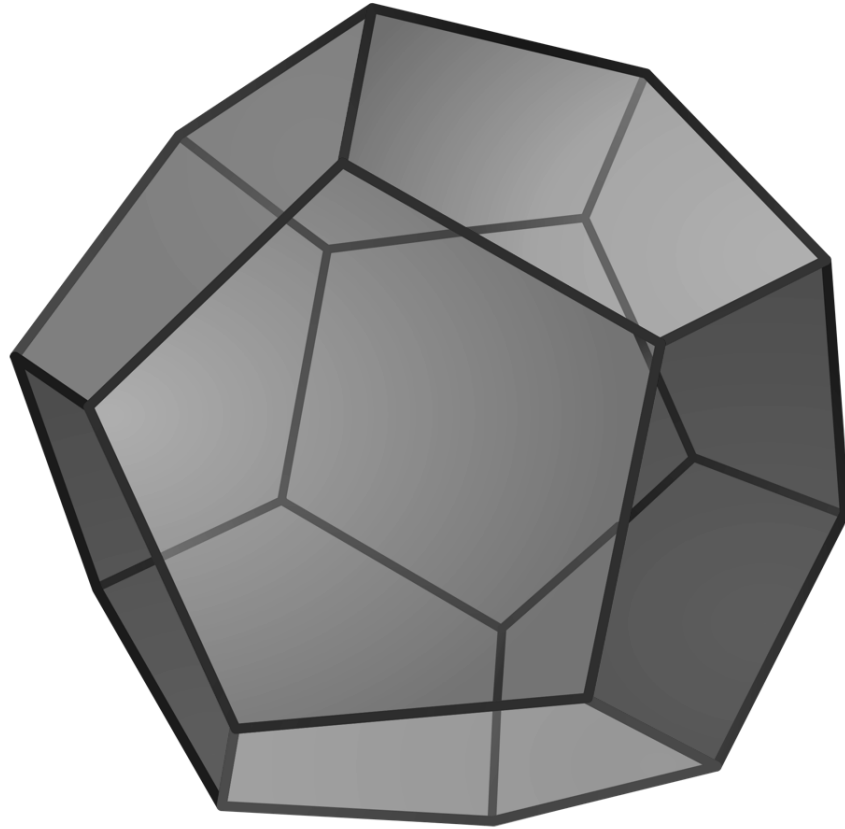


# Phase Conjugate Implosive Collapse

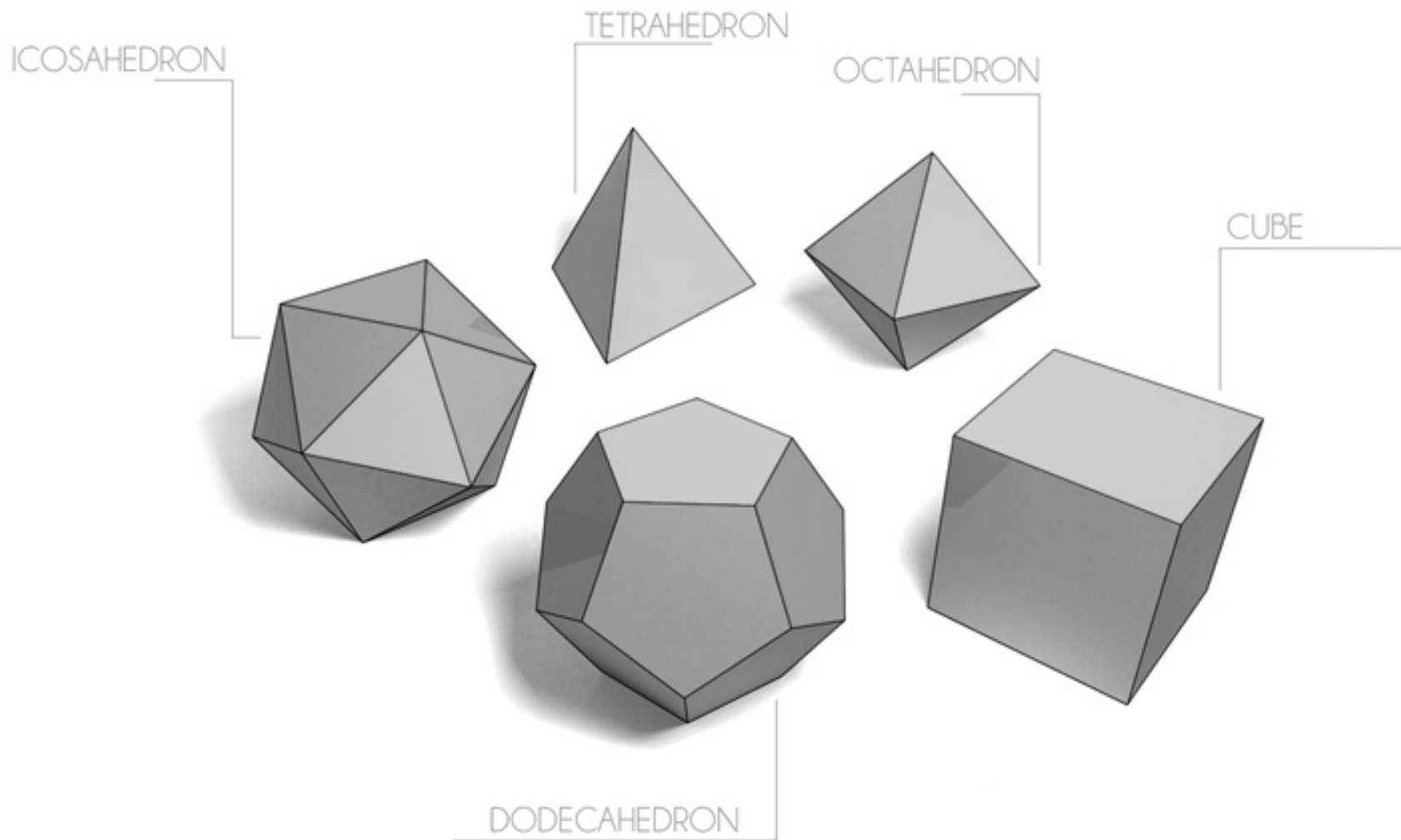
---



# Dodecahedron



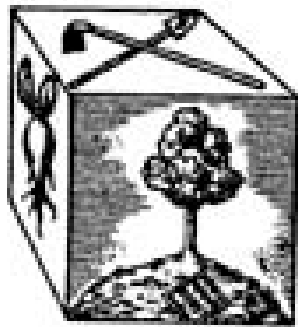
# Platonic Solids



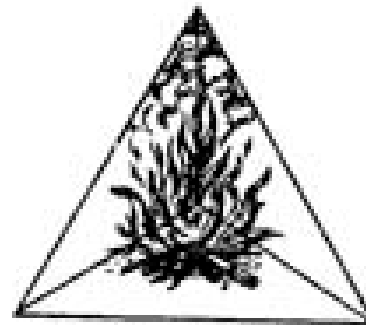


# Platonic Solids

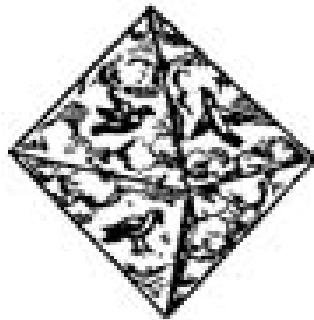
## The Platonic Solids



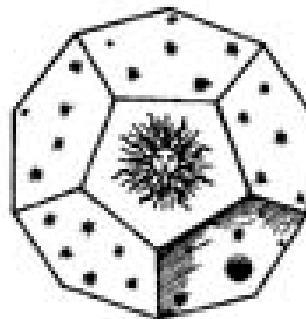
*CUBE*  
*Earth*



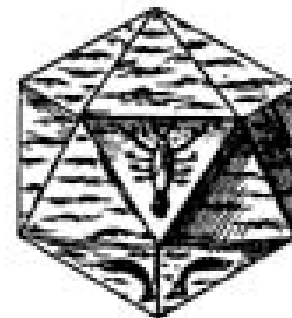
*TETRAHEDRON*  
*Fire*



*OCTAHEDRON*  
*Air*



*DODECAHEDRON*  
*the Universe*



*ICOSAHEDRON*  
*Water*

# Platonic Solids

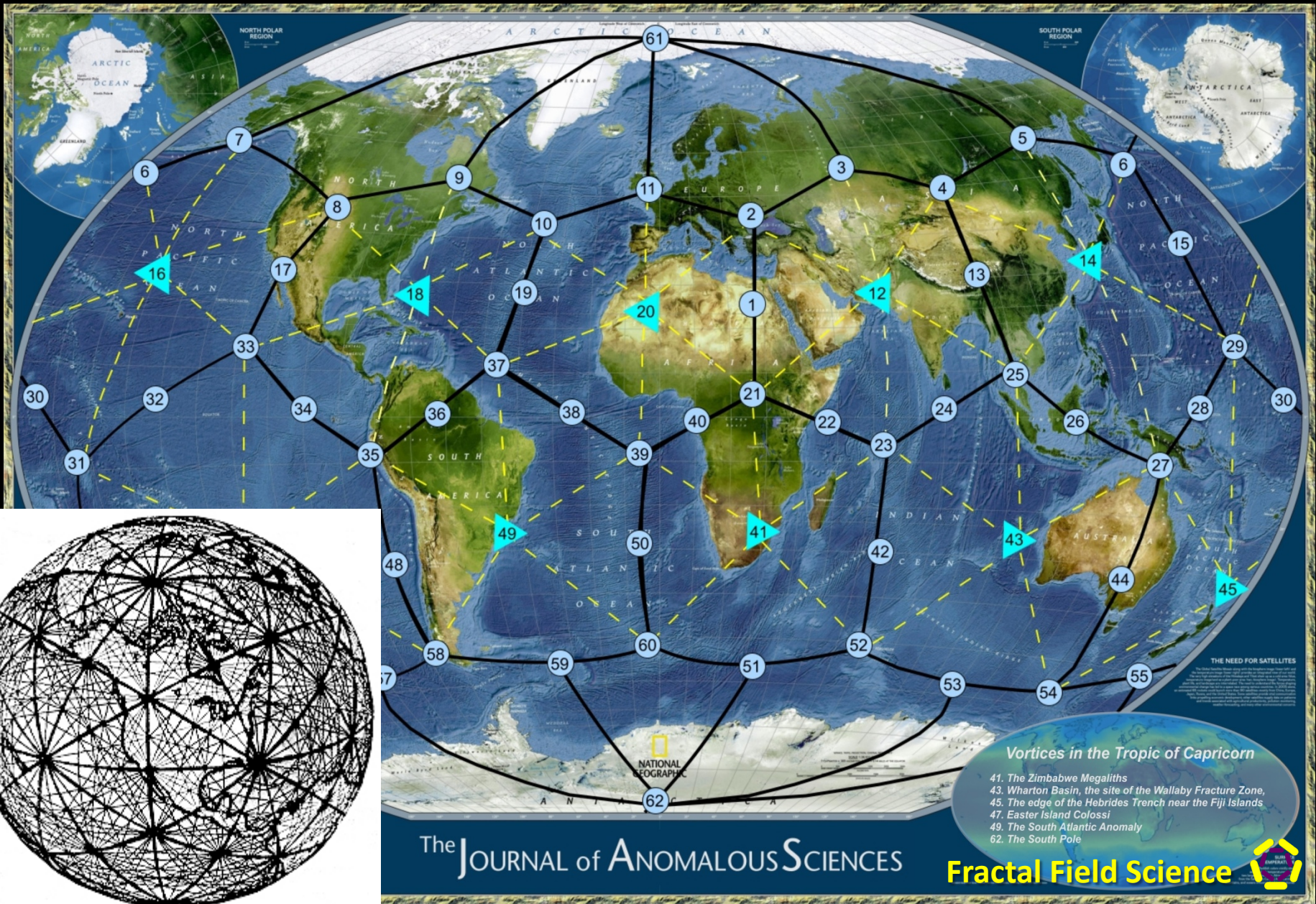
Over 400 carved stone balls are found in Scotland (3000 - 2500 BC)  
They date 1,000 year before Plato first wrote about them.







# World's Main Energy Grid - Dodekahedron

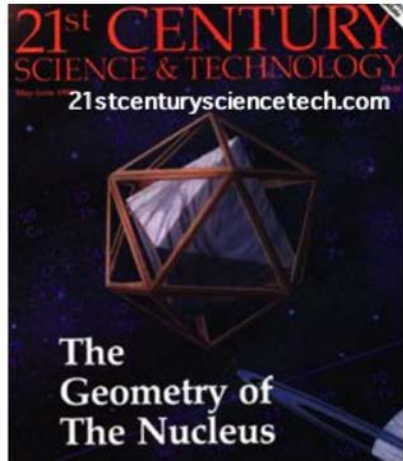




# Platonic Solids in Geometry of Atomic Nucleus

In chemist Moon's model of the nucleus, a nesting of four of the five Platonic solids similar to that conceived by Johannes Kepler to describe the Solar System.

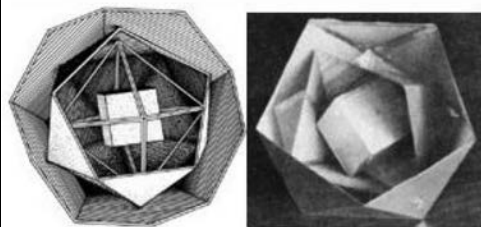
Chemist –Moon's work in geometry of atomic nucleus – from perfect platonic solids nesting –suggests 3D non-destructive collapse =Gravity making



Element	N=	Alpha particle	Edges of			
			Tetrahedron	Cube	Octahedron	Icosahedron
2-He-4	2	2	Complete period			
3-Li-7	4	2	2			
4-Be-9	5	2	3			
5-B-10	5	2	3			
6-C-12	6	2	4			
7-N-14	7	2	5			
8-O-16	8	2	6			
9-F-19	10	4	6			
10-Ne-20	10	4	6			
11-Na-23	12	4	6	2		
12-Mg-24	12	4	6	2		
13-Al-27	14	4	6	4		
14-Si-28	14	4	6	4		
15-P-31	16	4	6	6		
16-S-32	16	4	6	6		
17-Cl-35	18	4	6	8		
18-Ar-40	22	4	6	12		
19-K-39	20	4	6	10	0	
20-Ca-40	20	4	6	10	0	
21-Sc-45	24	4	6	12	2	
22-Ti-48	26	4	6	12	4	
23-V-51	28	4	6	12	6	
24-Cr-52	28	4	6	12	6	
25-Mn-55	30	4	6	12	8	
26-Fe-56	30	—	6	12	12	
27-Co-59	32	—	6	12	12	2
28-Ni-59	31	—	6	12	12	1
29-Cu-64	35	—	6	12	12	5
30-Zn-65	35	—	6	12	12	5
31-Ga-70	40	—	6	12	12	10
32-Ge-73	41	—	6	12	12	11
33-As-75	42	—	6	12	12	12
34-Se-79	45	—	6	12	12	15
35-Br-80	45	—	6	12	12	15
36-Kr-84	48	—	6	12	—	30
37-Rb-85	48	—	6	12	12	18
38-Sr-88	50	—	6	12	12	20
39-Y-89	50	—	6	12	12	20
40-Zr-92	52	—	6	12	12	22
41-Nb-93	52	—	6	12	12	22
42-Mo-96	54	—	6	12	12	24
43-Tc-98	55	—	6	12	12	25
44-Ru-101	57	—	6	12	12	27
45-Rh-103	58	—	6	12	12	28
46-Pd-106	60	—	6	12	12	30

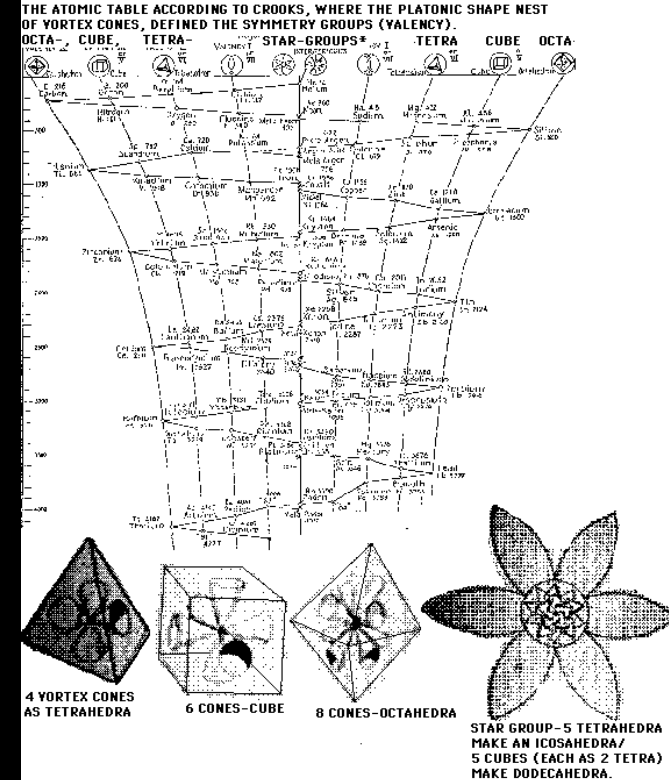
**Chemist - Moon's Work  
in Geometry of Atomic  
Nucleus - from Perfect  
Platonic Solids NESTING-  
Suggests  
3D Non-Destructive  
Collapse  
=Gravity Making**

**(Compare to  
"Implosive  
Compression")**

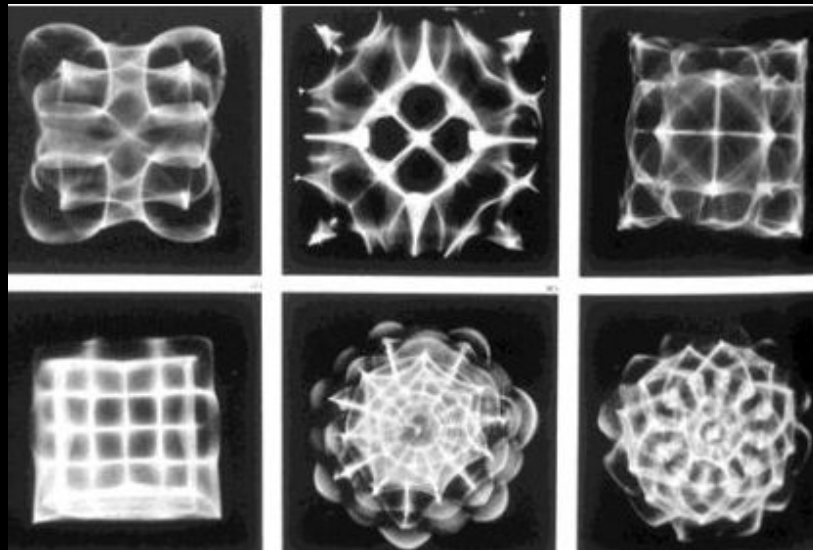
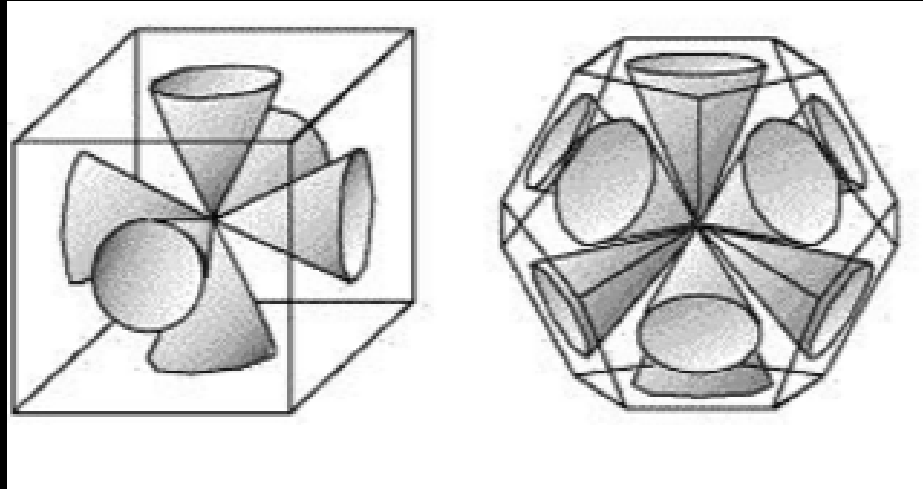


**Figure 2  
A WORKING MODEL OF THE NUCLEUS**

In the Moon model of the nucleus, a nesting of four of the five Platonic solids similar to that conceived by Johannes Kepler to describe the Solar System

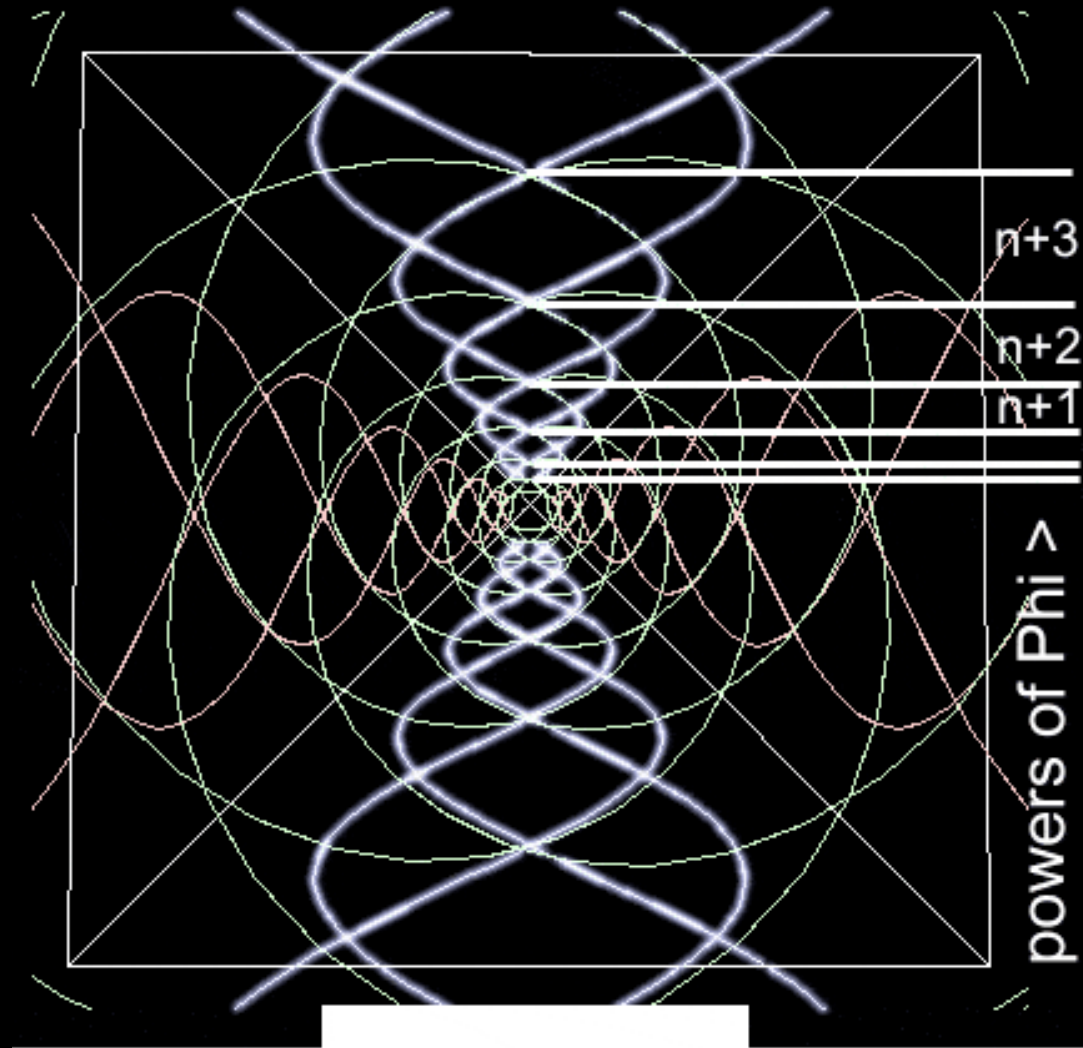
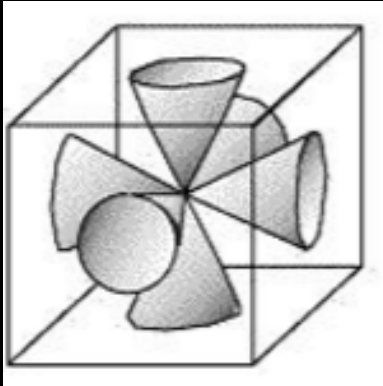


# Platonic Solids and Compression Fields



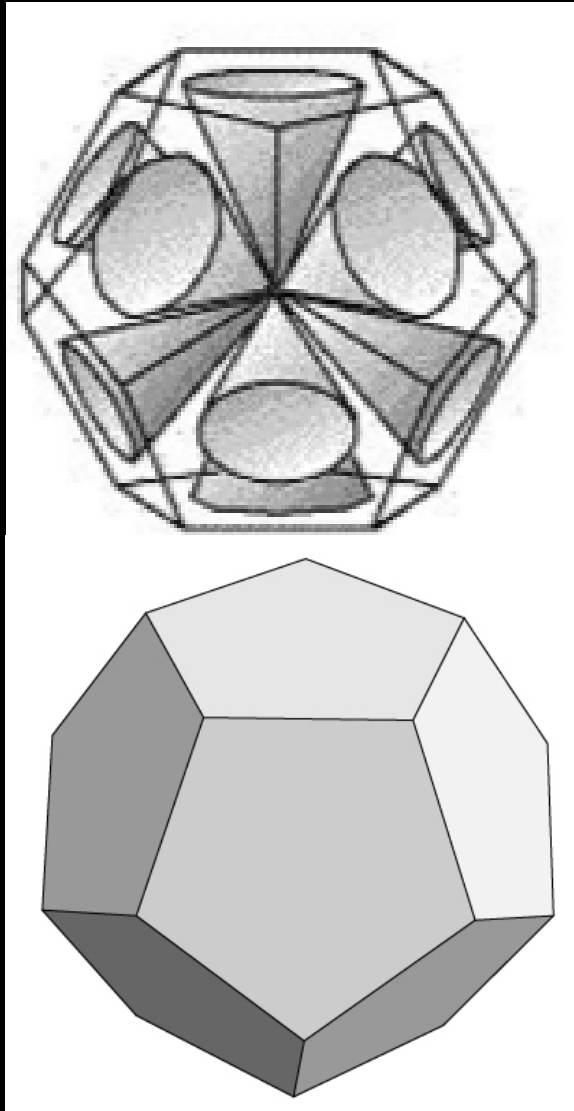


# Platonic Solids and Compression Fields

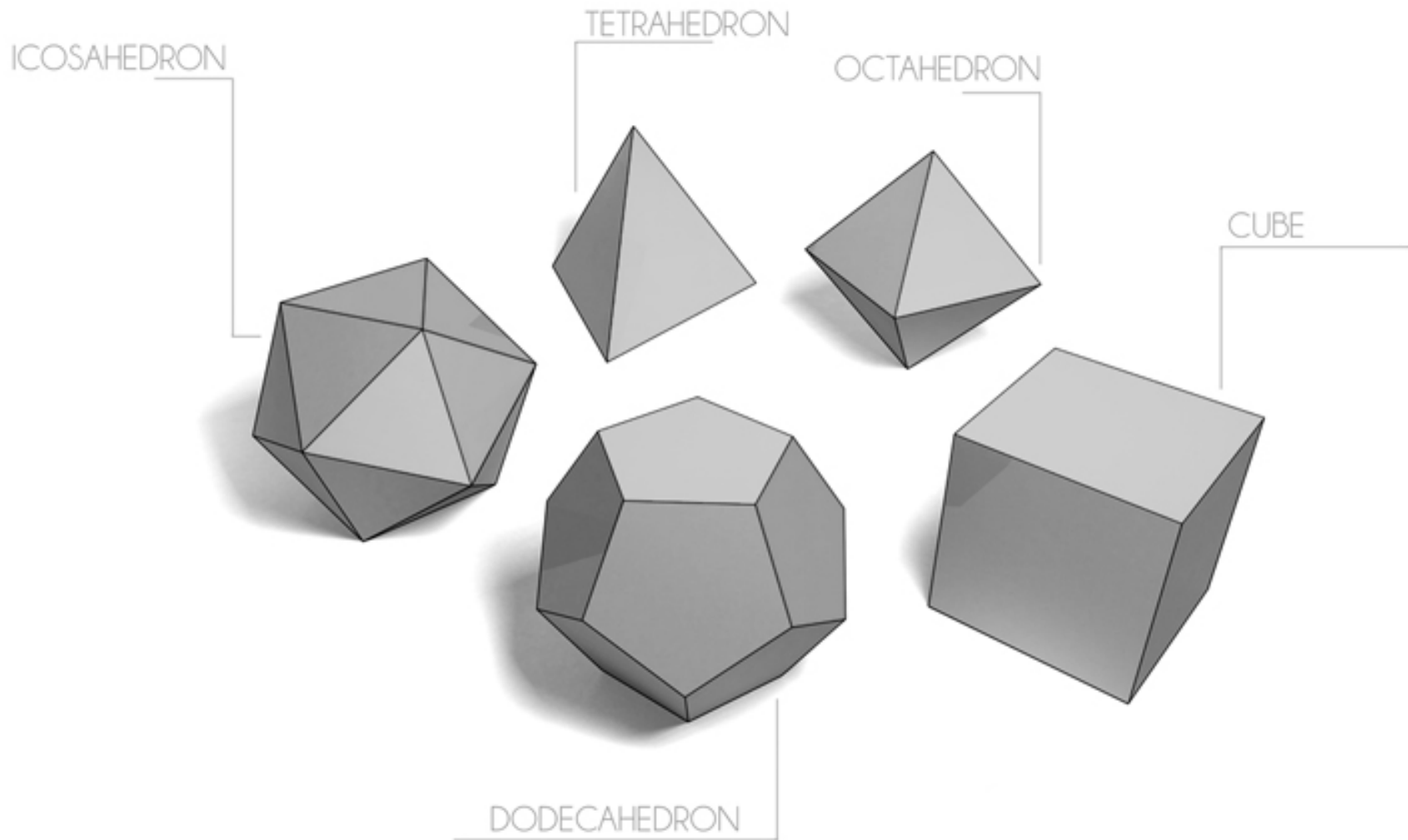


# Platonic Solids and Compression Fields

---

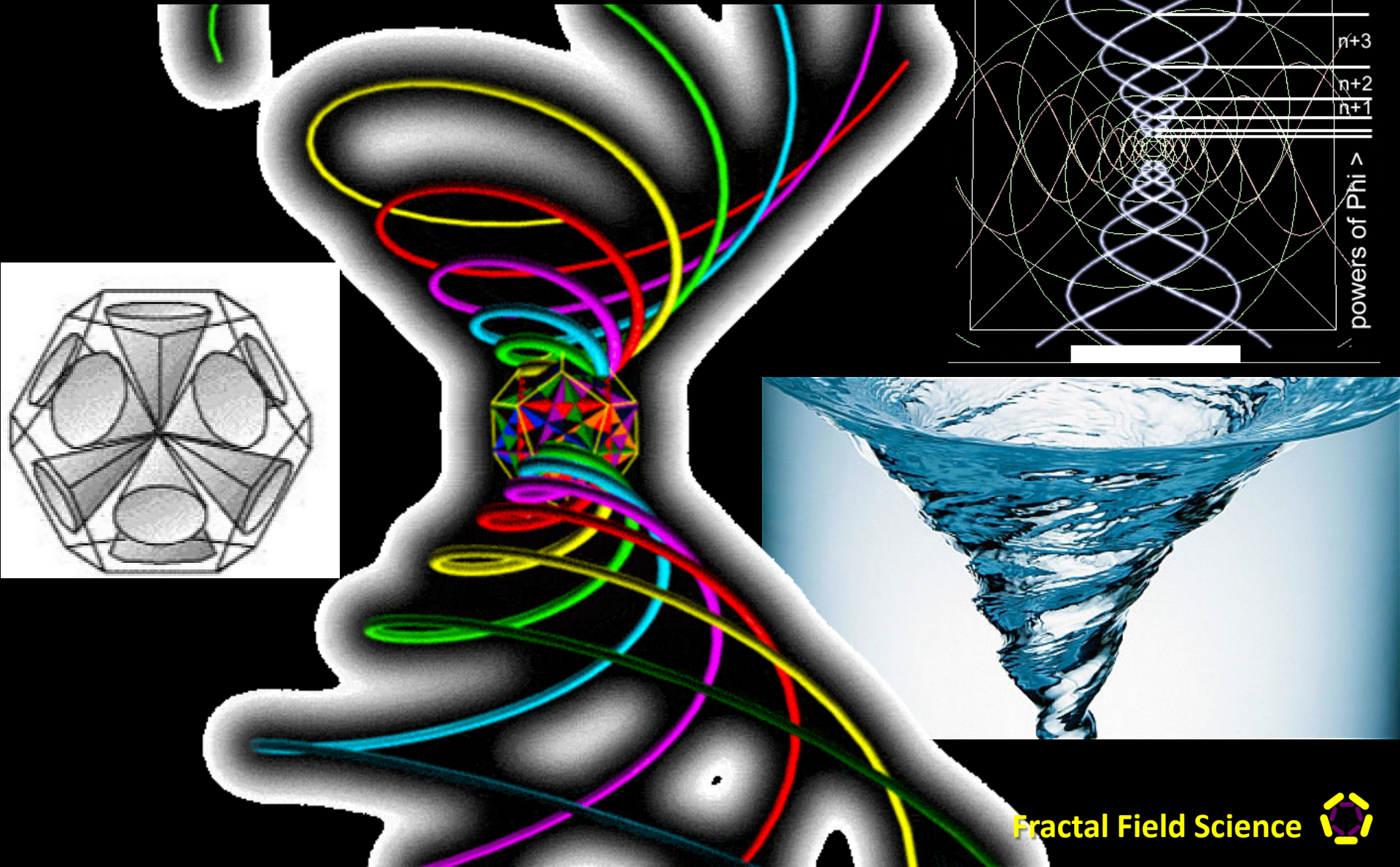


# Platonic Solids and Compression Fields





# Platonic Solids and Compression Fields



# Qualities of the Universal Energy

- Compressible
- Behaves like a fluid
- Stores inertia when it rotates
- In certain geometries (fractal, conjugate etc.) it appears to self organize and become intelligent and 'alive'

Dan Winter,  
Fractal Conjugate Space & Time: Cause of Negentropy, Gravity and Perception

# Sturucture of the Universe

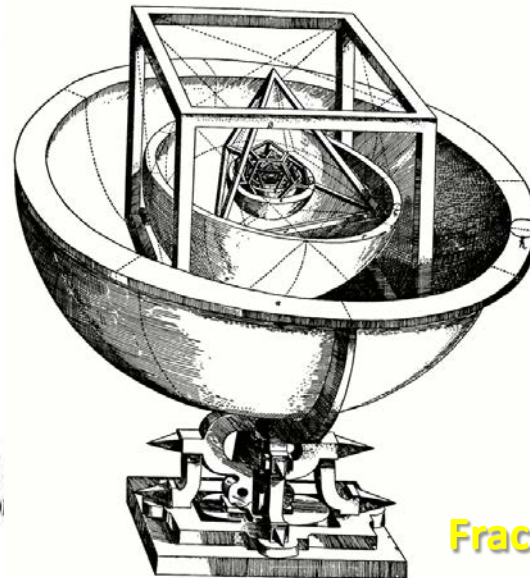
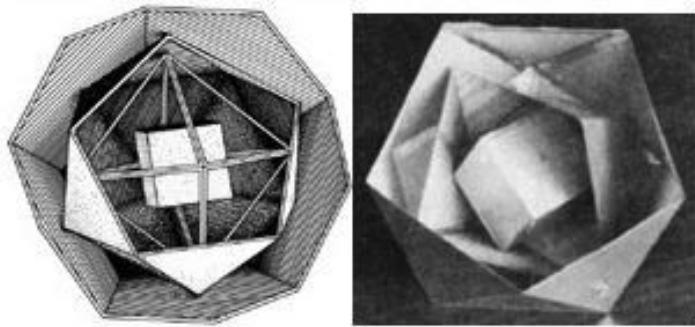
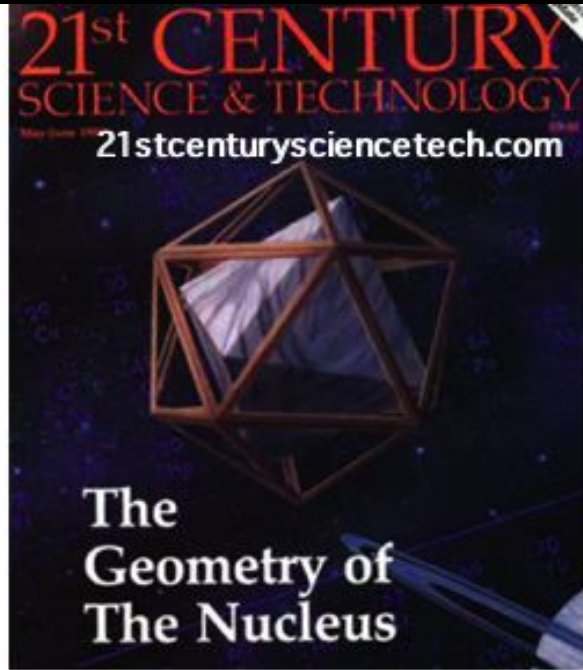




Poincare Dodecahedral Space:  
[geometrygames.org/CurvedSpaces](http://geometrygames.org/CurvedSpaces)



# Perfect Nesting



**Figure 2**  
**A WORKING MODEL OF THE NUCLEUS**

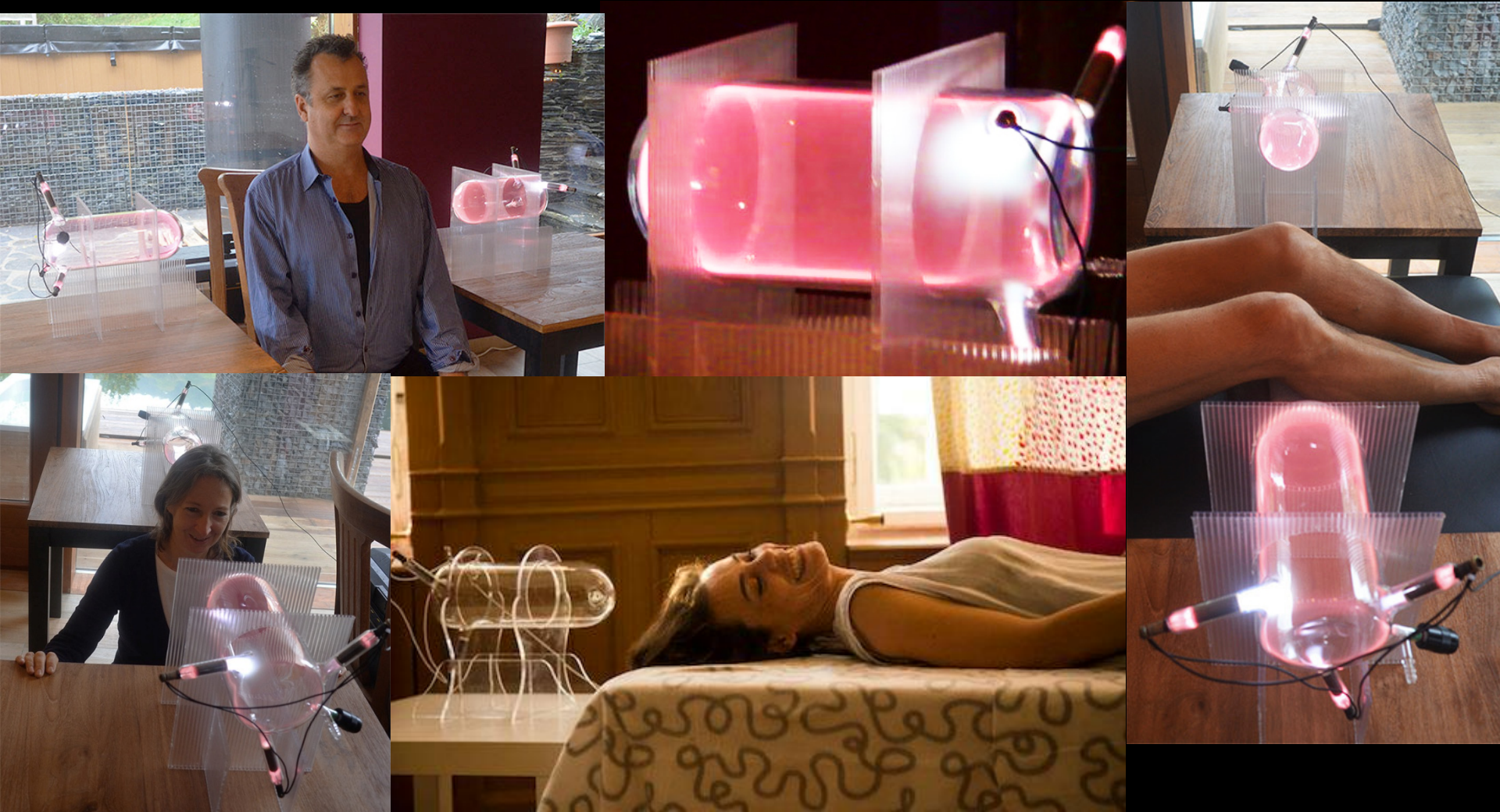
*In the Moon model of the nucleus, a nesting of four of the five Platonic solids similar to that conceived by Johannes Kepler to describe the Solar System*

# Perfect Nesting





# Fractal Field Applications on Health – TheraPhi



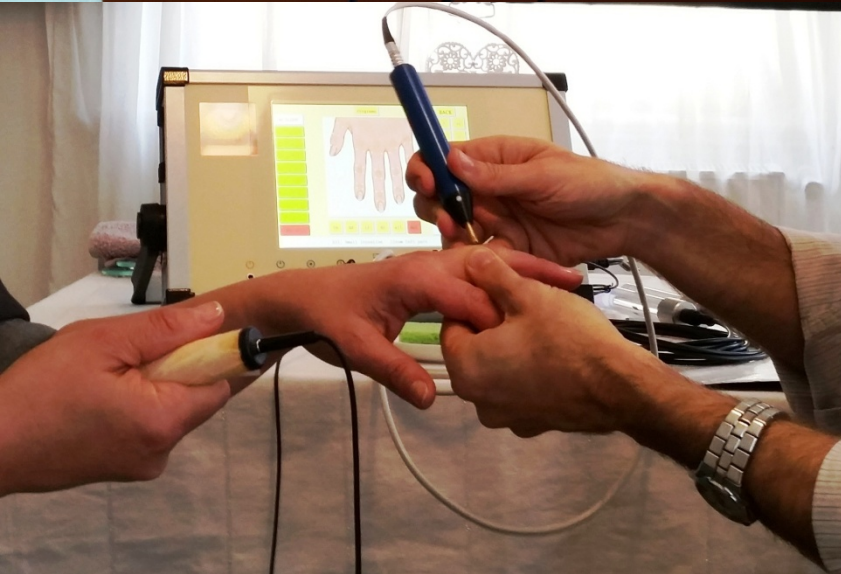
[www.theraphi.net](http://www.theraphi.net)

# Fractal Field Applications on Health – Biontology



- ✓ A biophoton therapy that corrects the electromagnetic/biophotonic signals that are emitted from the cells of every living being.
- ✓ Includes the algorithm of golden ratio.
- ✓ Endocrine Problems, Chronic Infections, Hypo-/Hypertension, Allergies, Celiac, IBS, Crohn's, Arthritis, Rheumatism, Migraines, All Toxins, Lyme Disease, Diabetes, Tumors/Cancer
- ✓ Non-invasive.

[www.biyontoloji.com/en](http://www.biyontoloji.com/en)





# Thank You

E-mail: [tufanguven@gmail.com](mailto:tufanguven@gmail.com)

Web: [www.biyontoloji.com/en](http://www.biyontoloji.com/en)

[www.tufanguven.wordpress.com](http://www.tufanguven.wordpress.com)

Facebook: [www.facebook.com/fraktalalanbilimi](http://www.facebook.com/fraktalalanbilimi)

[www.facebook.com/tufanguven](http://www.facebook.com/tufanguven)



**TUFAN GÜVEN**

Fractal Field Science

