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The Solar System Geometry (PART-NO-3)
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Abstract
The Total Solar Eclipse tells us…

$$\frac{\text{Earth Orbital Distance}}{\text{Earth Moon Distance}} = \frac{\text{The Sun Diameter}}{\text{The Moon Diameter}} = 400$$

No geometrical reason behind !

The solar planets creation theory tells us, a big star was following the sun, and exploded, from his material the solar planets were formed by the gravity …

i.e. The Solar Planets were created **Randomly,** and so any relationship as the previous one must be found by "Pure Coincidence"!

I suggest, **alternative theory** concerns the solar group creation…let's write it:
- The solar planets were created **Relating Geometrically** to each other and **Not Randomly**.
- The Matter in general is produced in pairs relating geometrically (or in some other features) and there's no any matter is found individually.
- The solar group is one building, each planet is a component in this same building, that's why each planet has a geometrical relationship with one or more of other planets …
- The sun is created related to the solar planets geometrically.

To support my theory let's use **Einstein Equation   E=mc²**
We consider Each Particle Mass & Energy is independent from any other Particle Mass & Energy…
But let's suppose that, there's **One General Energy** (E), for the whole universe. So the universe will be as a puppets theatre, the puppets are the masses but all of them are connected together in the General Energy
i.e.
Each Planet (Particle) Energy Is Created Connected To This General Energy, And So They Are Connected & Related Geometrically To Each Other…. that's what my theory suggests

Keywords: Solar Eclipse –Sun Nature

S. Virgin Mary Assumption into Heaven.
Written in Cairo – Egypt
15th July 2017

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Planetary Fact Sheet - Metric

	MERCURY	VENUS	EARTH	MOON	MARS	JUPITER	SATURN	URANUS	NEPTUNE	PLUTO
Mass (10^{24}kg)	0.330	4.87	5.97	0.073	0.642	1898	568	86.8	102	0.0131
Diameter (km)	4879	12,104	12,756	3475	6792	142,984	120,536	51,118	49,528	2390
Density (kg/m³)	5427	5243	5514	3340	3933	1326	687	1271	1638	1830
Gravity (m/s²)	3.7	8.9	9.8	1.6	3.7	23.1	9.0	8.7	11.0	0.6
Escape Velocity (km/s)	4.3	10.4	11.2	2.4	5.0	59.5	35.5	21.3	23.5	1.1
Rotation Period (hours)	1407.6	-5832.5	23.9	655.7	24.6	9.9	10.7	-17.2	16.1	-153.3
Length of Day (hours)	4222.6	2802.0	24.0	708.7	24.7	9.9	10.7	17.2	16.1	153.3
Distance from Sun (10^6 km)	57.9	108.2	149.6	0.384*	227.9	778.6	1433.5	2872.5	4495.1	5870.0
Perihelion (10^6 km)	46.0	107.5	147.1	0.363*	206.6	740.5	1352.6	2741.3	4444.5	4435.0
Aphelion (10^6 km)	69.8	108.9	152.1	0.406*	249.2	816.6	1514.5	3003.6	4545.7	7304.3
Orbital Period (days)	88.0	224.7	365.2	27.3	687.0	4331	10,747	30,589	59,800	90,588
Orbital Velocity (km/s)	47.4	35.0	29.8	1.0	24.1	13.1	9.7	6.8	5.4	4.7
Orbital Inclination (degrees)	7.0	3.4	0.0	5.1	1.9	1.3	2.5	0.8	1.8	17.2
Orbital Eccentricity	0.205	0.007	0.017	0.055	0.094	0.049	0.057	0.046	0.011	0.244
Axial Tilt (degrees)	0.01	177.4	23.4	6.7	25.2	3.1	26.7	97.8	28.3	122.5
Mean Temperature (C)	167	464	15	-20	-65	-110	-140	-195	-200	-225
Surface Pressure (bars)	0	92	1	0	0.01	Unknown*	Unknown*	Unknown*	Unknown*	0
Number of Moons	0	0	1	0	2	67	62	27	14	5
Ring System?	No	No	No	No	No	Yes	Yes	Yes	Yes	No
Global Magnetic Field?	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes	Unknown
	MERCURY	VENUS	EARTH	MOON	MARS	JUPITER	SATURN	URANUS	NEPTUNE	PLUTO

http://nssdc.gsfc.nasa.gov/planetary/factsheet/

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1-Introduction

One of the most confused phenomena is "the total solar eclipse", although the detailed explanations for its mechanism found in the eclipse textbooks, the phenomenon geometrical structure still obscure before many of us…
The confusion reason is the following equation..

$$\frac{Earth-orbital-dis\tan ce}{\text{Earth Moon distance}} = \frac{The-Sun-diameter}{\text{The Moon Diameter}} = 400 \qquad \text{(Eq. 1)}$$

The previous Equation is the main reason which enables the total solar eclipse to be occurred otherwise it can never be occurred.
The Eclipse textbooks don't take into account this equation, the authors deals with the relationship as "pure coincidence" has no geometrical explanation, while the eclipse phenomena mechanism can never be clear without this equation understanding.
The main question… !
Is there a real geometrical reason behind the relationship (Eq. No.1)…?
To make this question more clear, let's provide some more relationships, to see to what depth such geometrical relationships are found and why….

$$\frac{Earth-orbital-dis\tan ce}{\text{Earth - Moon distance}} = \frac{The-Sun-diameter}{\text{The - Moon - diameter}} = \frac{Earth-dialy-veloceity}{Earth-radius} = 400 \text{ (Eq.1)}$$

$$\frac{Earth-Orbital-dis\tan ce}{The-Sun-Diameter} = \frac{The-Sun-Diameter}{Earth-Diameter} = \frac{Earth-Moon-dis\tan ce}{The-Moon-Diameter} = 109 \text{ (Eq.2)}$$

$$\frac{Earth-Diameter}{moon-diameter} = \frac{moon-diameter}{\pi D} = \frac{The-Sun-diameter}{Earth-Moon-dis\tan ce} = \frac{\theta}{\phi} = 3.66 \text{ (Eq.3)}$$

Where
D   :is the covered distance on Earth by the total solar umbra shadow =304 km
θ   : total solar eclipse angle =0.532 degree.
Φ   : is an angle = 0.142842 degree, which is defined as following
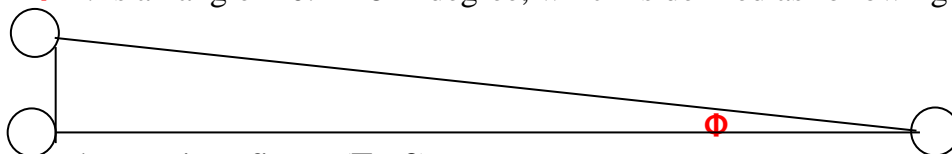
In the previous figure (**Eq.3**)
the 2 near bodies are the Earth and the moon, and the far one is the sun

$$\frac{Earth-diameter}{Mars-diameter} = \frac{Earth-orbital-dis\tan ce}{Mars-Earth-dis\tan ce} = \frac{Mars-diameter}{moon-diameter} = \frac{Mars-orbital-period}{Earth-orbital-period} = 1.9$$

(1.9 degree is Mars orbital inclination)   (Eq.4)

$$\frac{Earth-orbital-dis\tan ce}{Earth-diameter} = \frac{Earth-Venus-dis\tan ce}{moon-diameter} = \frac{Earth-Mars-dis\tan ce}{Mars-diameter} = (\frac{Earth-moon-dis\tan ce}{moon-diameter})^2$$

(average error 1.5%)   (Eq.5)

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The previous equations tell us there are many geometrical relationships between the solar planets, where the solar eclipse phenomenon relationship was just one example of many similar others….
Let's discuss equation No. 2 in following….

Equation No. 2 discussion
Equation No. 2 causes a great confusion, let's see it

$$\frac{Earth-Orbital-dis\tan ce}{The-Sun-Diameter} = \frac{The-Sun-Diameter}{Earth-Diameter} = \frac{Earth-Moon-dis\tan ce}{The-Moon-Diameter} = 109 \ (Eq.2)$$

What this equation tells us?
First let's remember what equation No. 1 told us….
Eq. No.1 told us that, to create the total solar eclipse phenomenon, the sun/moon diameters rate should be equal their distances rate to the Earth, because by such way, the Earth inhabitants will see the moon disc equals the sun disc, enabling the total solar eclipse to be occurred..(although the sun diameter =400 moon diameter, but the distances rate gives the inhabitants this chance to see the moon disc = the sun disc)
i.e.
the moon diameter should be created relating geometrically to the sun diameter if we want the total solar eclipse to be occurred…

But what Eq.No.2 tells us
The Earth diameter is created relating to the sun diameter to enable the total solar eclipse to be occurred…..why?
The moon diameter is the disc who prevents the sun rays, so his diameter should be created relating geometrically because of his job…
but the Earth is a screen or blackboard!
The Earth receives only the total solar umbra which covers a small distance =304 km, means any Earth diameter will be sufficient for this job….why the Earth diameter should be created relating geometrically to the sun diameter…?

Let's take a deep look on the total solar eclipse

The total solar umbra covers on Earth a small distance = 304 km
This distance is shifted from one Saros Cycle to next (Saros cycle 6585.32 days) with 115 degrees from each cycle…
This shift creates a period cycle for this process
i.e.
the same place on the Earth surface will be wiped with the total solar umbra shadow once each (360-410) years…
which needs a specific diameter to fit this process….
Let's discuss that in more depth…..

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The Total Solar Eclipse Phenomenon

The total solar eclipse phenomenon consists of 2 machines

1st Machine

This machine is the solar umbra shadow production machine,

i.e.

the machine which produces the umbra shadows….

And this machine consists of the moon motion relating to the Earth, Earth motion, lunar orbital motion, and the sun motion…

And this machine is controlled by Metonic Cycle (the Cycle which the lunar orbit rotates, continues for 19 years, each year the orbit regresses 19 degrees)

Now this machine is very important for us because the umbra shadow production process is an independent system depends basically on metonic Cycle and produces the umbra shadow as long as the metonic cycle continues till its end. And then starts a new cycle….

2nd Machine

The machine which receives the solar umbra shadow…

And this machine consists of the Earth motion relating to the solar umbra shadow and the Earth diameter…!

Now let's suppose that, the Earth diameter is shorter than required by the Cycle…

What would happen?

The umbra shadow (which is produced independently by the Metonic Cycle) will wipe the Earth diameter till its end…. But the Cycle isn't finished yet….. now the next shadow will send to the space where the Earth surface was passed.. and the umbra shadow will be sent to the space till the Metonic Cycle end…

After that, the shadow will start to cover the small place on the Earth again with its shift…

The previous description may tell us the next conclusion

If the Earth diameter is shorter than required by Metonic Cycle, So no guarantee that the Earth surface wiping process by the solar umbra shadow can be seen as a Cycle!

Because this cycle have 2 part's, one of it on Earth surface and the other in space and How we can guarantee by such way that, the umbra motion will not be in chaos!

That tells us…

If the wiping process on Earth is done in a cycle, that means

1- the Earth diameter is the sufficient only one, who's required by the Cycle.
2- There's a relationship between the first & second machines otherwise the total solar eclipse will never be done…

i.e.

Because the solar umbra shadow production cycle continued after the complete Earth diameter passing, that doesn't guarantee the new cycle to start from the same point of the old one i.e. the cycle meaning here will be disappeared

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and that's what really happen, Saros Cycle of Earth surface wiping with solar umbra shadow doesn't start from the same point, neither for Saros Cycle nor for Metonic Cycle, rather continuous on one track for period ranges 360-410 sidereal years…So if the Earth diameter isn't sufficient for the umbra shadow production cycle, the meaning of Wiping Cycle will be disappeared, and the umbra shadow will move in chaos (as I understand)…

The previous analysis, although its simplicity, suggests many questions and hard challenges…

First- and before all, how the solar planets were created with such geometrical relationships,
Second:- How the sun herself can take a part in this same geometrical relationships?
Any honest try to understand what is going on, will face many hard questions…

Let's start from the beginning…
How were the solar planets created? What does the current theory tell us…?

The Solar Group Creation Current Theory
The current theory tells us that, a big star was following the sun, later this star was exploded and the solar planets were created from this star materials through a long period with the gravity help…
The previous theory gives us the following data:
- The Solar Planets Were created **Randomly**
- The Matter origin is not clear
- The gravity is the main force controlling the solar group…

I found this theory isn't suitable to the solar planets data, for that I provide my suggestion as alternative theory….

The Solar Group Creation Alternative Theory (my suggestion)
- The solar planets were created relating to each other geometrically and **Not Randomly**.
- The Matter in general is produced in pairs relating geometrically (or in some other features) and there's no any matter is found individually.
- The solar group is one building, each planet is a component in this same building, that's why each planet has a geometrical relationships with one or more of other planets…
- The sun is created related to the solar planets geometrically.

How can I prove this alternative theory?
Let's summarize that in following:

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- The basic point in my suggestion is that, **The solar planets Were Not Created Randomly but created based on geometrical relationships between each other…**

- The geometrical relationships between the planets can be proved by the planets data analysis, as we have seen in the solar eclipse phenomenon.. the rates equality between the sun/moon diameters with their distances rate to the Earth enable the people to see the sun disc = the moon disc, enabling the solar eclipse to be occurred

i.e.

- The relationship or rates equality only can't be a proof there's a geometrical relationship here, but when this relationship creates a phenomenon or specific planet motion, it will be doubtless proof that, this relationship was geometrical relationship and effects on the solar group general motion…

- While we discuss deeply the solar eclipse phenomenon, with the solar planets structures and motions, that not mean we limited our discussion only on this subject … but the eclipse whole discussion tries hardly and deeply to explain **"How the Matter is created…?"** basically because the matter mystery origin effects directly on our description & understanding of the whole physics book…. No one of us knows How the matter is created! She is found without pre-measurement or procedures! So if we find any geometrical relationships between 2 matters, such rates must be found by "Pure Coincidences", this word is frequently found when we ask about the solar planets motions… the matter origin secret is survived too much, and now we need to know where is her store to buy some …. !

This study contents as following:
- Point No.3 "The Matter Origin" will discuss the main subject trying to answer "How the Matter is created"
- Point No. 4 " The solar eclipse" in which we'll study the solar eclipse phenomenon with every possible details trying to learn from the solar system motions, and may provide suggested answers for old questions, such as why there are harmony in cycles
    o (as in Metonic Cycle 6939.75 days
                = 19 sidereal years (365.25days)
                = 235 synodic month (29.53 days)
                =20 nodal years (346.6 days)
                And the question was why the sidereal year and synodic month and nodal year all of them finish together on the same day?!)
- Point No. 5 "The Earth Motion"
- Point No. 6 "The sun origin and nature"
- Point No. 7 "The Solar system General Description"

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2- Research Methodology

I use

The Solar Planets Data Analysis

As a research method, in addition to (or even in place of the direct observation)

Why?

- Because we can't trust in the Direct Observation, because …

    o We have seen a broken spoon in a water cup, then we discovered that the spoon wasn't broken…

    o Also the mirage tells us a similar information…

    o Now, suppose we see wrongly but we can't correct our vision..., or we even don't know that we see wrongly… for that reason we need more trustee method to discover the universe ….that's why I use the solar planets data analysis

Let's summarize Our Study Method Procedures

- I use NASA Planetary Fact Sheet – Metric – found in Page No. 2 of this paper with its link

- I use The Planets real data because I want to create a theory explaining these planets motions, and How can I create such theory without the planets data...!

- I use the planets real data, So I consider each relationship based on the planets real data is a real relationship, and based on that I try to understand this relationship and suggest the most logical geometrical explanations

- I learn from the solar system and have no pre-supposed ideas or concepts…

- So when I found the Moon rotates Metonic Cycle (19 sidereal years), but the Earth doesn't rotate this Cycle (as far as we know) I don't consider this is a "**Pure Coincidence**", but I consider there's some hidden relationships which we need to search for till explain clearly why the moon rotates Metonic Cycle (The Earth- Moon… I don't refer to any other moon in this paper)

Let's see one example to explain the research method

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Example No.1

I- The Moon Orbital Distance (At Perigee) = The Solar Outer Planets Diameters Total

II- The Moon Orbital Distance (At Apogee) = All Solar Planets Diameters Total

III- The Moon Orbital Distance (from Perigee to apogee) = The Solar Inner Planets Diameters Total = Earth Circumference..

The previous 3 relationships we couldn't get without the data analysis, of course we can't explain the geometrical reason here… but surely such relationships can't be "Pure Coincidences"
Because…
The moon has 2 basic points (the perigee and the apogee)… The solar planets are classified into outer and inner solar planets ….
Almost it's impossible such relationships to be "Pure Coincidences"

Let's see one more example

Example No.2

1- The moon orbital circumference (at total solar eclipse) = 58.4 *Earth Circumference
2- Earth orbital distance = 58.4 * Earth daily velocity

Let's imagine
The moon orbital circumference as a big gear and the Earth circumference as a small gear…
When the big gear (moon orbital circumference) rotates one rotation, he causes the small gear (Earth Circumference) to rotate 58.4 times around her axis i.e. to rotates 58.4 days…
But the Earth actual daily velocity = 2.57 mkm and needs just 58.4 days to cover a distance = Earth orbital distance….
This complex process can't be "Pure Coincidence" at any case!
But actually this strange relationship was the reason to extend our Equation No.1.

$$\frac{Earth-orbital-dis\tan ce}{\text{Earth Moon distance}} = \frac{\text{The sun Diameter}}{\text{The Moon Diameter}} = \frac{Earth-Velocity-daily}{Earth-raduis} = 400$$

(Eq No.1)

This equation we should discuss with the eclipse phenomenon in point No.4 of this paper…

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3- The Matter Origin
"Are The Solar Planets structures Related to Each Other Geometrically?

3-1 The Planets structures are related geometrically to each other
3-2 The Solar Group Mass Distribution.
3-3 Carl Anderson Experiment (1932)

3-1 The Planets structures are related geometrically to each other
This is our first step toward our solar system description, the argument is just clear…

The current theory tells us the solar planets are found **randomly**….

And I provide a description claiming that, the planets structures are related to each other geometrically and **Not Are Found Randomly** ….
So, How can I prove this claim…?
I prove that, using the planets data analysis, because if there's any geometrical relationship between any two planets structures we can find it in their data…

Let's start…
In the following table I provide some relationships between the planets structures … let's take a look and then start our discussion

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Table No.1	No Error More Than 1.5%
The Relationship	**The Rate**
Earth Diameter / Venus Diameter =	A
= Mars Diameter / Earth Radius =	
Mars Diameter / Venus Radius =	A^2
= Venus Diameter / Moon Circumference =	
= Moon Radius * П/ Mercury Diameter =	
= Pluto Circumference / Mars Diameter =	
=Uranus Circumference / Jupiter Diameter =	
= lunar apogee radius /lunar perigee radius =	
Pluto Circumference / Earth Radius =	A^3
= Mercury Circumference / Earth Diameter =	
= Earth Diameter / Moon Circumference =	
= Uranus Radius / Mars Circumference =	
= Jupiter Diameter / Saturn Diameter =	
= Saturn diameter / Uranus Diameter =	
Venus Radius / Mercury Diameter =	A^4
= Uranus Diameter / Earth Circumference =	
Uranus Diameter / Venus Circumference =	A^5
Jupiter Radius / Uranus Diameter =	A^6
= Mercury Diameter / Moon Diameter =	
= Mars Diameter / Mercury Diameter =	

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Table No. 1 Discussion

❖ **Let's explain the table….**

- For example, the Relationships $= A^3$ are 6 Relationships…. The table tells us these 6 relationships are equal each other and all of them $=A^3$.
- We should note also that the table relationships use the same root (A $=1.053866$), but this value is powered by different powers $(1,2,3,4,5,6…)$

❖ **The General discussion ….**

- Let's ask the main question…. Do The Relationships in table No.1 refer to real geometrical relationships between the solar planets structures? How can we answer this question…! Let's start with the eclipse…

  o The total solar eclipse tells us there are some geometrical relationships between the Sun, Moon & Earth diameters relating to the sun & moon distances to the Earth…
  Although, we can't see any geometrical relationship in the rate…
  $$\frac{The-sun-diameter}{The-moon-diameter} = 400 \, ,$$
  But the geometrical relationship is shown clearly in the equation
  $$\frac{The-sun-diameter}{The-moon-diameter} = \frac{Earth-orbital-dis\tan ce}{Earth-moon-dis\tan ce} = 400$$

  So, if we understand How the geometrical process works, we will see clearly the geometrical relationships, but if we don't understand the process, we would see the geometrical relationships as just rates may have no meaning..

  o Also, in eclipse, when we found a rate between the Sun & Earth diameters, we asked why such rate is found?, because the Earth is just blackboard, or screen on which the solar umbra will cover small distance (304 km)… So Earth diameter shouldn't be a player in eclipse process..! but we found that the total solar umbra wipes the same place on Earth once every 360 years (or 410 years), that means The Great Designer mentioned the relationship between the Sun & Earth diameters because the solar eclipse umbra has a cycle to wipe the Earth surface… means the Sun/Earth diameters relationship was real geometrical relationship mentioned in the Basic design…

  o So in table No.1 I see the relationships can be geometrical relationships clearly, but each relationship needs detailed geometrical study to know how this relationship works in the geometrical system… let's examine one more example

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- o We know that …**Saturn diameter = $\pi \times$ Venus Circumference**, why this relationship is a real geometrical relationship?! The symbol π can't alone create a geometrical relationship! We may consider this symbol as any other number!….So why this calculation expresses a real geometrical relationship? Let's see many relationships between Venus & Saturn as following:

  - Saturn diameter $= \pi \times$ Venus Circumference
  - Saturn Orbital distance $=$ Saturn diameter $\times$ Venus diameter
  - Neptune orbital distance $=$ Saturn diameter $\times$ Venus Circumference
  - Neptune orbital distance $=$ Saturn Orbital distance $\times \pi$

NOTE ALSO

  - Saturn Orbital distance $=$ Mars orbital Circumference
  - Saturn Orbital distance $= 2 \times$ Mercury Jupiter distance
  - Saturn Orbital distance $\times 2$ $=$ Uranus orbital distance

  The previous relationships tell us there are strong geometrical relationship between Venus, Saturn and Neptune, So the simple equation **"Saturn diameter = $\pi \times$ Venus Circumference"** was just simple cover under which there was many other relationships (Note/ Neptune diameter $=$ Venus diameter $*(\Pi+1)$[1])

- o We may conclude that, table No. 1 provides 19 real geometrical relationships which can be considered as a strong proof that, **There Are Real Geometrical Relationships Between The Solar Planets Structures…**

- We should remember our main question… are there geometrical relationships between the planets structures? If the geometrical relationships are found, as we have proved in this discussion, So that means, **the solar planets were created related geometrically to each other, and the solar planets weren't created randomly.**

- Why were the planets structures created related to each other geometrically? Because the solar group is one building and each planet is one component in this building…So the solar planets are related geometrically to each other to enable the whole group to perform her shared job

  i.e.

- The Great Designer created the solar group to do **ONE JOB**, this job is divided into many tasks, each planet does one task, for that reason each planet structure is related to the others geometrically…

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[1] ($\Pi+1$) is a geometrical constant as Π, and we found many relationships in the solar system geometry based on this constant ($\Pi+1$).. for example Venus rotation period $=$ Mercury rotation period $*(\Pi+1)$.. although we still can't explain this relationship geometrically, we can assure that this constant ($\Pi+1$) is important geometrical constant as much as the constant Π.

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3-2 The Solar Group Mass Distribution (More proves for this same claim)

The solar group total mass distribution tells us the solar planets can't be created randomly….
Let's see that as following…

- The solar group total mass = 2667 $*10^{24}$ kg,

- This mass total is divided into 2 parts with rate 1: $(3.66)^2$= 200 :2467

- Value 2467 $*10^{24}$ kg is divided with rate 3/10 (Saturn Mass/Jupiter mass)

- 200 $*10^{24}$ kg is into 2 equal parts 100 (Neptune Mass) + 100 (others mass)

- 100$*10^{24}$ kg is divided the total mass of (Uranus + Mercury + Venus + Earth+ the moon + Pluto) this value is distribution according to the following Equations..

$$\frac{Uranus-Mass}{Earth-Mass} = \frac{Venus-Mass}{Mercury-Mass} \qquad (3\text{-}1)$$

$$Mars-Mass = Mercury-Mass \times (Mars-orbital-inclination) \qquad (3\text{-}2)$$

$$Moon-Mass = \frac{Venus-Mass}{Earth-Mass} \times 100 = Pluto-Mass \times (moon-orbital-inclination) \text{ (3-3)}$$

- From this distribution, we found that,
  The Earth Mass = (Mercury + Venus+ Moon +Mars) masses total

That means

$$\frac{Earth-Mass}{4\,planets-Masses-total} = \frac{Neptune-Mass}{(uranus-with-others)masses} \qquad (3\text{-}4)$$

I found, that's very hard to distribute the solar group masses total by previous explanation randomly!
Specially, we found the used rate $(3.66)^2$ is the same rate we found between many diameters (and will discuss more deeply in eclipse discussion Point no.4)
Also we found the moon orbital inclination used for the moon mass definition (and Mars orbital inclination is used for Mars Mass)

The previous discussion gives us a clear vision, that the solar planets Masses aren't found randomly, rather found with ordering and **The Total Masses Were Distributed According To The Whole Geometrical Structure And Not As Property For Each Planet!**
But this conclusion gives us very new vision which need to study deeply later let's now take a look at Anderson experiment 1932

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3-3 Carl Anderson Experiment (1932)

- Carl Anderson produced electron and positron from Gamma rays (1.2 Mev) in 1932, in his very interesting experiment…
- So this experiment tells us from the Gamma rays (light beams), the electron and positron can be created …i.e. **The Mass** can be created from the Gamma Rays…

- But what Masses were produced in his experiment? **Electron and Positron** we may note that clearly…. NOT electron alone … and NOT positron alone…. The production was 2 elements electron and positron….==that may tell us the mass is created in pairs and can't be created individually==

- **I should emphasis on this result**, the Mass (or Matter) can't be created individually, but is created in pairs "electron with positron" that may support our basic claim, in which I suggested there are geometrical relationships between the solar planets, Now Anderson Experiment supports this idea strongly, because the Matter is created in pairs i.e. 2 particles are created together, for that reason the produced particles have geometrical relationships between each other because they were created together..

- Also Newton tells us that "the forces are produced in pairs"… this is his 3rd Law of motion… So if the forces are produced in pairs (also charges should be produced in pairs to submit the conservation law) why the Mass should be exceptional and be produced individually? That tells us, the mass almost be produced in pairs as the other players, and through this production process the geometrical relationships were created…

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4- The Eclipse Phenomenon

4-1 Introduction

This paper offers a different approach to study the solar eclipse phenomenon
I analyze the planet geometrical structure to see if it has any effect on the planet motion….

The current theory tells us the planet motion depends basically on the gravity & mass, but because the gravity gives us no interpretations How the matter is created, nor how the eclipse geometrical relationships were found, we have to analyze all available data to see if there's any light inside….

What's our start point…?
It's the geometrical relationship, which we don't know How it found or what's its effect!! Let's see that….

$$\frac{Earth-Diameter}{moon-diameter} = \frac{moon-diameter}{\pi D} = \frac{The-Sun-diameter}{Earth-Moon-dis\tan ce} = \frac{\theta}{\phi} = 3.66 \ (Eq.3)$$

Where

d   : is the covered distance on Earth by the total solar eclipse umbra= 304km

θ   : total solar eclipse angle =0.532 deg.

Φ   : is an angle = 0.142842 degree, which is defined as following
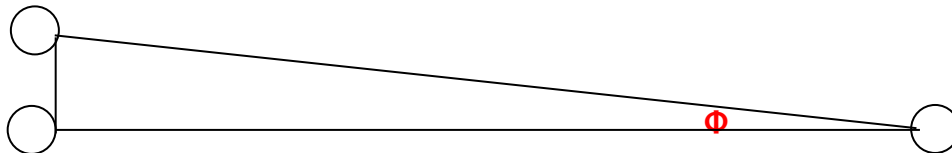
In the previous figure
the 2 near bodies are the Earth and the moon, and the far one is the sun

This equation we have seen before in page No. 4 (Eq. No. 3)
We have seen many geometrical relationships concerning the solar eclipse phenomena…   and this equation (No.3) is just one of many others …

Spite of that, actually the rate 3.66 which is the rate between Earth diameter and moon diameter is one of the most important rates in the whole solar system

Let's see some more equations in following…

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$$\frac{Earth-orbital-period}{moon-orbital-period} = \frac{Mars-Axail-Tilt}{Mars-orbital-inclination} = \frac{Saturn-orbiral-dis\tan ce}{Venus-orbiral-dis\tan ce} = (3.66)^2$$

(Eq. 4-1)

$$\frac{19-\deg rees}{moon-orbital-inclination} = \frac{Uranus-Orbital-dis\tan ce}{Jupiter-Orbital-dis\tan ce} = \frac{Venus-Orbital-diameter}{Mercury-Orbital-dis\tan ce} = \frac{Pluto-orbital-dis\tan ce}{Uranus-Neptune-dis\tan ce}$$

(Eq 4-2)

Note:
- Moon orbit regresses 19 degrees yearly to complete Metonic Cylce in 19 years
- Maximum error = 2% (average error 1%)

So,
Why This Rate 3.66 Or (3.66)^2 Is So Very Important And Repeats Frequently? Let's try to answer in following..

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4-2 Kepler 3rd Law

Through Kepler third Law using for the solar group planets we find some interesting information as following

$$P^2 * 25 = d^3$$

Where

- **P** : The Planet orbital period

- d : The Planet orbital distance

- **25**: Mars Axial Tilt

The results are shown in the following table

Table No.4				
Planet	P^2	* 25	= d^3	Error
Mercury	$(88)^2$	***25**	$(57.9)^3$	0.2%
Venus	$(224.7)^2$	***25**	$(108.2)^3$	0.3%
Earth	$(366)^2$	***25**	$(149.6)^3$	0
Mars	$(687)^2$	***25**	$(227.9)^3$	0.3%
Jupiter	$(4331)^2$	***25**	$(778.6)^3$	1.4%
Saturn	$(10474)^2$	***25**	$(1433.5)^3$	1%
Uranus	$(30589)^2$	***25**	$(2872.5)^3$	1.3%
Neptune	$(59800)^2$	***25**	$(4495.1)^3$	1.5%
Pluto	$(90588)^2$	***25**	$(5870)^3$	1.4%

Kepler 3rd Law Discussion

I- The Table explanation

- Mars Axial Tilt = 25.2 Degrees (the table constant)

- The previous table uses directly Kepler 3rd Law for the solar planets motions. The planets used data are from NASA Planetary Fact Sheet, and the used units are standard units (the day for time and million km for distance). i.e. the constant is real and correct

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II- The Discussion

- We have 3 important information here, which we need to connect with each other… let's provide them in following

    1. The rate 3.66 or $(3.66)^2$ which we found frequently in the solar planets relationships…
    2. Mars Axial tilt $25.2 = (3.66)^2 * 1.9$ (Mars Orbital inclination)
    3. Mars Axial Tilt is the constant in Kepler 3rd Law table

How can we connect these 3 information with each other?

Let's provide one idea to solve this dilemma

- We may suppose that, "The planets geometrical relationships, create specific motions for these planets",
- That means The geometrical relationships between the solar planets produce specific motions for these planets, and these specific motions produce Kepler 3rd law i.e. the squared period is relating to the cubic distance…and that means the harmony in planets motions depends basically on the geometrical relationships which we found between the planets structures.
- These specific motions produces the harmonic period cycles, where these specific motions were found based on the geometrical relationships… that means the harmony in the cycles were found because of the geometrical relationships which create specific motions for these planets and produce this harmony in the Cycles…
- Now we can see one line connects these facts….let's summarize in following….
    o The geometrical relationships between the planets structures and distances create specific motions for these planets
    o These specific motions produce Kepler 3rd Law
    o These specific motions create the harmony between the Cycles….

Let's see the Cycles harmony in following…

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4-3- The Cycles Harmony

We can see that easily in Metonic or Saros Cycle

As we have seen

- Metonic Cycle 6939.75 days

$= 19$ sidereal years (365.25days)
$= 235$ synodic month (29.53 days)
$=20$ nodal years (346.6 days)

- Saros Cycle 6585.321 days

$= 239 * 27.55$ days (anomalist month)
$= 223 *$ synodic month (29.53 days)
$=19$ nodal years (346.6 days)

The previous data tells us there's harmony between the planets motions
As we have seen in Metonic Cycle, the Earth completes her orbital period (19th)
on the same day on which the moon synodic month (235th) is finished, and on
the same day the moon orbit completes his nodal year (20th)..
Saros Cycle tells us a similar information

So, How this harmony can be produced?
Surely there's some reason to produce this cycles harmony… !

So, this result may support our previous conclusion….
Let's provide it here again …

4-3-1 The Conclusion

1- The geometrical relationships between the planets structures &
   distances produce specific motions for these planets.
2- These specific motions create Kepler 3rd Law
3- And these specific motions create the harmony between the periods
   Cycles in the solar system.

Still there are 3 hard questions.

1- Why Mars Axial tilt is so important in the solar group?
2- How these geometrical relationships include the sun herself with the
   planets?
3- How the rate 3.66 or $(3.66)^2$ is found in many equations, is this the same
   rate transferring between different planets structures or these are similar
   rates but independent from each other?

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4-4 Mars Axial Tilt (The total solar eclipse Mechanism)

Let's try to answer the 1st question…. Why Mars Axial Tilt is so important?

The figure shows β =25.2 degrees which is Mars Axial Tilt…
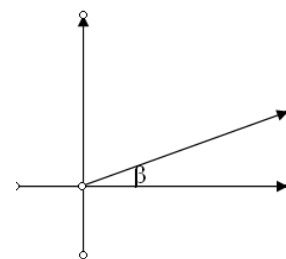The angle β =25.2 degrees relating to the horizontal axis
But for the down-vertical Axis the angle will be
β = 25.2+90 = 115.2 degrees
and for the opposite horizontal axis the angle will be
β = 25.2+90+90 = 205.2 degrees

The previous description may help us to see the different effects of the same angle (Mars Axial tilt angle)

Let's provide some more important relationships as following….

I- The solar umbra shadow covers a distance on Earth surface=304 km, this distance is shifted 115 degrees with each saros cycle (6585.3211 days)

II- $6585.3211 = 115 \times \dfrac{180}{\pi}$

III- 361.4 degrees (Metonic Cycle degrees 19 degrees *19 years) = $115 \times \pi$

IV- $(\dfrac{Sun-diameter}{Venus-diameter})115 \times \dfrac{180}{177.4(Venus-axial-teilt)} = 116.8(venus-day)$

V- 719.7 degrees (Mercury day degrees) = $2\pi \times 115$ (error less than 1%)

VI- 347.6 (nodal year) = 115 *3.022
                  Note 3.022 *2Π = 19 degrees (moon orbit motion yearly)

Note
I suppose basically that, each planet data is specific for the planet, for example the value 25.2 degrees is Mars Axial Tilt, and its equivalent value is 115.2 degree
In any relationship, when I found any of these numbers I consider this relationship is related to Mars axial tilt…
Because I consider the planet data is specific for each planet and not repeated..
(we should discuss that later, because Earth orbital period is 365.25 days, but the sun circles Earth with period 365.25 days …so how can we suppose that the sun follows the Earth orbital period?!)

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The Discussion

To understand the Mars role in the solar system we should remember the total solar eclipse which we have presented in this paper introduction…

The total solar eclipse phenomenon consists of 2 machines (discussed before page no.6)

1st Machine

This machine is the umbra production machine,
i.e.
the machine which produces the umbra shadows….
And this machine consists of the moon motion relating to the Earth, Earth motion, lunar orbital motion, and the sun motion…
And this machine is controlled by Metonic Cycle (the Cycle which the lunar orbit rotates, continues for 19 years, each year the orbit regresses 19 degrees)
Now this machine is very important for us because the umbra shadow production process is an independent system depend basically on metonic Cycle and produces the umbra shadow as long as the metonic cycle continues till its end. And then starts a new cycle….

2nd Machine

The machine which receives the solar umbra shadow…
And this machine consists of the Earth motion relating to the solar umbra shadow and the Earth diameter…!
Now let's suppose that, the Earth diameter is shorter than required by the Cycle…
What would happen?
The umbra shadow (which is produced independently by the Metonic Cycle) will wipe the Earth diameter till its end…. But the Cycle isn't finished yet….. now the next shadow will send to the space where the Earth surface was passed.. and the umbra shadow will be sent to the space till the Metonic Cycle end…
After that, the shadow will start to cover the small place on the Earth again with its shift…
The previous description may tell us the next conclusion
If the Earth diameter is shorter than required by Metonic Cycle, So no guarantee that the Earth surface wiping process by the solar umbra shadow can be seen as a Cycle!
Because this cycle have 2 parts, one of it on Earth and the other in space and How we can guarantee by such way that, the umbra motion will not be in chaos!
That tells us…
If the wiping process on Earth is done in a cycle, that means

1- The Earth diameter is the sufficient only one, who's required by the Cycle.
2- There's a relationship between the first & second machines otherwise the total solar eclipse will never be done…

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3- The connection between 1st machine & 2nd machine is Mars Axial Tilt i.e.

Because the solar umbra shadow production cycle continued after the complete Earth diameter passing, that doesn't guarantee the new cycle to start from the same point of the old one i.e. the cycle meaning here will be disappeared

and that's what really happen, Saros Cycle of Earth surface wiping with solar umbra shadow doesn't start from the same point, neither for Saros Cycle nor for Metonic Cycle, rather continuous on one track for period from 360-410 sidereal years…So if the Earth diameter isn't sufficient for the umbra shadow production cycle, the meaning of wiping cycle will be disappeared, and the umbra shadow will move in chaos (as I understand)…

To understand that we have to study each machine (cycle) individually…

4-4-1 Saros Cycle (2nd machine)

Saros is the eclipse cycle, its period= 6585.3211 days..

There are many of Saros Cycles types..

For example Saros Cycle (54 sidereal years & 34 days) causes the solar umbra shadow to wipe the same longitude on Earth surface but the new place may change with 1000 km to north of south from the original one

We interest basically for Saros Cycle which causes the solar umbra shadow to wipe the same specific place, and this Cycle needs (from 360 to 410 sidereal years)

This Cycle depends basically on the Earth diameter, and if the Earth diameter changes this cycle will never be seen.

Let's discuss 2 equation which we referred before

I- The solar umbra shadow covers a distance on Earth surface=304 km, this distance is shifted 115 degrees with each saros cycle (6585.3211 days)

(Eq.4-3)

II- $6585.3211 = 115 \times \dfrac{180}{\pi}$ (Eq. 4-4)

How can we understand the previous equations..?

The factor $\dfrac{180}{\pi}$ I consider as a geometrical constant…

as we know that the Circle circumference = Π * The Circle diameter…. So we know that Π is a geometrical constant …

I consider this factor also $\dfrac{180}{\pi}$ as a geometrical constant …

i.e.

Saros Cycle period 6585.32days is defined based on the shift angle 115 degrees, and the shift angle 115 degrees. is defined because of Saros Period 6585.32 days

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4-4-2 Metonic Cycle (1st machine)

Metonic Cycle is a cycle rotated by the moon orbit… where the moon orbit regresses yearly 19 degrees to complete Metonic Cycle in 19 sidereal years….

By the moon orbit rotation, with the different motions of the moon, Earth and Sun, the total solar umbra shadow is produced …

The main question here is How Saros cycle of the solar umbra shift is done on the Earth surface…
The solar shadow is produced through Metonic Cycle independently, and the shadow will be produced continuously till the cycle end…

Now let's suppose that, the Earth diameter is shorter than required by the Cycle… what would happen?
As we discussed it before (page no. 23) the cycle meaning will be disappeared,

that tells us
There's a harmony between the shadow production motion at one side and the Earth motion with her diameter as the solar umbra shadow receiver at the other side…
All that tells us the following conclusion….
"Metonic Cycle isn't just the moon orbit cycle, but also Earth rotates the Metonic Cycle, even in unseen form, but the moon reveals this fact by showing his orbit motion….
Is there any proof that, the Earth rotates Metonic Cycle?!

Earth moves during Metonic cycle a distance = Uranus orbital circumference…

That tells us Metonic Cycle was a relationship between Earth & Uranus where the moon is just the partner and indicator to this fact….
So, the next question is,
How can we prove that, Metonic Cycle is the relationship between Uranus & Earth?

Let's provide some equations as following:

$$\frac{Uranus - Axail - Tilt}{Moon - orbital - inclination} = (Earth - Axail - Tilt) \times (Uranus - orbital - inclination) = 19 \deg rees$$

(the moon orbit regress 19 degrees yearly)   (Eq. 4-4)

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4-4-3 Metonic Cycle (361 degrees)

We know that moon orbit regress 19 degrees yearly, So Metonic Cycle total degrees = 19*19 = 361 degrees

This value 361.4 degrees = 115 Π
So, we see clearly the number 115 degrees is the connection between both Cycles (Metonic & Saros)…

We still have one more question before the general discussion, let's ask it…
Mars Axial tilt tells us Mars is very important planet in the solar group….
Is it true? Or all that just hypothesis? Let's see that in following…

4-4-4 Mars Effect

Mars orbital distance = 227.9 million km … So
Mars orbital circumference = 1433.5 million km… Note please…
- **Saturn orbital distance = 1433.5 million km**
- Neptune orbital distance = Π * 1433.5 million km
- Uranus orbital distance   = 2 * 1433.5 million km
- Mercury Jupiter distance = 0.5* 1433.5 million km
- Pluto eccentricity   = 1433.5 million km

Actually as we mentioned before in the research methodology…

Venus diameter* Saturn diameter= 1433.5 million km (Saturn orbital distance)
That tells us there's a specific relationship between Venus and Mars, and this relationship is related to the distance 1433.5 mkm (Saturn orbital distance = Mars orbital circumference), this relationship supports my theory that, the Solar group is one building and each planet is a component, and for that reason, Venus and Mars 2 components lead to the same result (1433.5 mkm)
Also I want to refer to specific feature of the Venus-Mars relationship…

$$\frac{Sun-diameter}{Venus-diameter}=115 \qquad \text{but } \frac{Sun-diameter}{Mars-diameter}=205$$

And as in our discussion (sub-point 4-4, page 22) we found that, the angle 25.2 degrees can be seen as 115.2 degrees or 205.2 degrees according to the axis to which we measure the angle…

4-5- Earth Axis

The previous explanations tell us there's a connection between Saros & Metonic Cycles
This connection is Mars Axial tilt… 25.2 degrees or 115.2 degrees
But
Earth motion depends basically on her Axis
That means there's a relationship between Earth Axial tilt and Mars Axial tilt

I - $\frac{mars-axail-tilt-115.2}{Earth-axail-tilt-113.45}\times360=365.5$

II- Mars – Axial-tilt 25.2 degrees = Earth Axial tilt 23.45 degrees + Mars orbital inclination 1.9 degrees

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4-6 – The General discussion
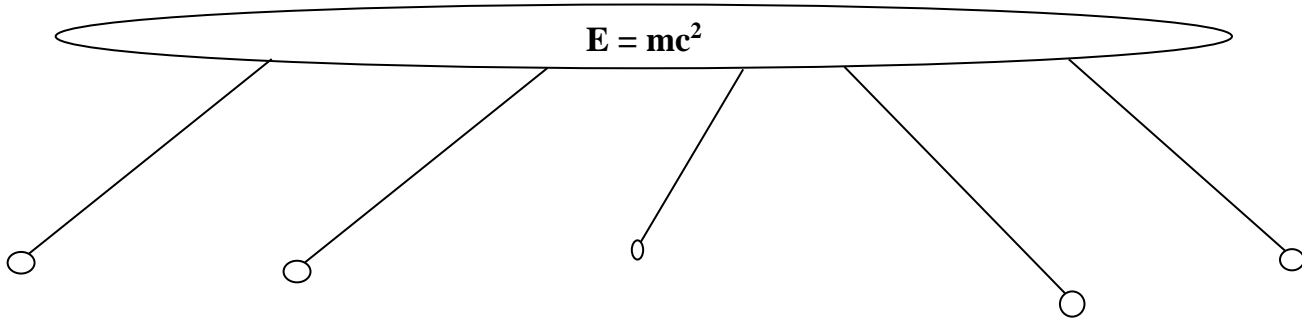
$$E = mc^2$$

How can we understand all the previous data and arguments?
There's one simple way to do that….!

We should use the Einstein Great Equation $\underline{\mathbf{E=mc^2}}$

What this equation tells us….?

E	The energy .. is the mother and source of
M	The mass
C^2	The squared Light speed

The Energy is the source of the mass & squared light velocity…
i.e.
The Energy is the Matter source…!
It's very good helpful idea…. But why we don't use it?
Because we see the mass and consider this mass equals energy according to Einstein Equation…
But this mass and its energy is separated and independent from any other mass & any energy…!
Because of this separation our description about the universe contradicts the solar system data as we have seen many times….
Let's provide the main hypothesis in following …..

The Main Hypothesis

Let's suppose that The Mother Energy is just one energy from which all the masses are created and connected with her by forces lines (or light beams)
So, the universe will be similar to the puppets theatre…
The puppets are the masses and the moving hand is the General Energy

By this idea we can connect the whole universe together, as we concluded from the solar planets data..

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But why we are very far as such from the solar group truth….?

The main reason was the direct observation…

The direct observation deceives us but we don't know that we see wrongly…

The next reason for our solar group wrong description, was the ignorance and disregard of the planets data!

The physicist define his theory of the planet motion regardless the planets data… no one interest for the planet diameter, orbital distance, orbital period …etc to define this planet motion theory, the physicist presents very general theory which should be useful for any planet data!

So, he learns nothing from the solar system

Let's discuss one example to explain that……

> ## Moon circumference 10921 km * 86400 second (solar days seconds) = 940mkm (Earth Orbital Circumference)…

The previous calculation or equation isn't attractive any way to the physicist..

He considers that, this is coincidences of numbers has no physical meaning!

He doesn't ask himself…

Why the moon has this specific circumference which can create this equation?

Let's think in this calculation…. What does tell us?

If the Earth makes a revolution around the sun in one day…. The moon circumference = 1 second of her motion…

We need to extend our minds to see more clear and not ignore one data can help us to understand How this very glorified "the solar system" works.

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4-6-1 The General Description

I can't write the general description here, because we have more materials to discuss before …

But I write here a summarized description to summarize the results which we already have and in point no. 7of this paper – with God Help- I should write the General description….

The summarized description

- We understand that the solar group is one building and each planet is one component of this building components. This Building has one job divided into many tasks and each planet (each component) does one task of these tasks…
  For that the geometrical relationships which are found between the planets, are real and fact, found to help each planet to perform his task and to help the whole solar group to perform the general job. And based on these geometrical relationships the harmony of planets motions and cycles are found
- The general job of the whole solar group is to create the solar day time (will be discussed in point 5)
- The Mass is property of the group and not to every planet and is distributed based on the group geometrical structure and not individually

There are still more hard question we want to discuss

1- If the planet motion force isn't the gravity, what force causes the planet motion…
2- How the planets geometrical relationships can create or effect on the planet motion
3- How can we interpret Mars importance in the solar group?

All these questions and many others we should discuss with the main question,
Why the sun herself (a star) is dealt according to the same geometrical relationships between the sun & the planets?!
The sun origin & nature is our main discussion (point no.6)
Before which we should discuss the Earth Motion

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5- The Earth Motion
5-1 Earth Daily Rotation
5-2 Earth Orbital Velocity
5-3 The period 58.4 days!
5-4 The Loaded Distances
5-5 The Moon Orbit Job

5-1 Earth Daily Rotation
The moon apogee radius = 406000 km
The lunar apogee circumference = 2.58 million km (mkm)

Earth rotates daily around her axis with all this circumference
i.e.
Earth rotates daily holding with her the moon orbit!

That means the moon orbit rotates with Earth daily around the Earth Axis complete rotation (360 degrees)
Let's see that deeply:

- The outer line of the moon apogee orbit radius 406000 km is the base line of the Earth motion, the Earth uses this line as a road to walk on it.

- The Earth body connected with the moon orbit completely as her own body and the Earth moves with this orbit as her vehicle

- The Earth rotates the Moon orbit on the outer line till the moon orbit rotates completely (360 degrees) and at this point the Earth daily rotation be completed.

- For that reason the moon orbit circumference = the Earth motion distance daily.

5-1-1 The Moon rotation
If the moon orbit rotates with the Earth and rotates Metonic Cycle, that means the Earth also rotates Metonic Cycle as we have referred in the sub-point 4-4-2 page 25

But why the moon doesn't rotates with the Earth daily?! If his orbit rotates completely with the Earth daily rotation?!
Let's explain that clearly as following:

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The Earth & Moon Motions Daily:

- The Moon orbit rotates with the Earth 360 degrees daily in her motion direction (based on the apogee orbit 406000 km)

- The Earth Motion with the Moon orbit rotates 360 degrees performing a distance = 2.58 mkm daily (because the motion is based on the apogee orbit 406000 km)

- ## The Moon himself rotates completely in the opposite direction to his orbit motion, and for that the moon doesn't be taken in his orbit motion with the earth

- The Moon rotates his orbit completely daily in the opposite direction, and just because the Moon rotates in the opposite direction of his orbit motion direction, the moon has the ability to catch his position in the sky, otherwise he would be taken by his orbit rotation with the Earth..

- The Moon can't move always with the apogee orbit radius (406000 km) for that reason his total distance daily is not equal the Earth motion, but only 2.41 m km that because the moon rotates with the average orbit and not with the apogee orbit

- The moon daily displacement is performing by the difference between these both velocities, his orbit velocity with the Earth and his own velocity against his orbit motion,
    - i.e. the moon daily displacement is depended on (the moon orbit velocity – the moon own velocity), and this will be discussed in numbers very soon…

- let's summarize…, the Earth daily velocity is 2.58 mkm of motion is done using the moon apogee orbit as the Earth vehicle… on the other side the Moon rotates daily completely through his orbit in **the opposite direction** at the average orbit which performs a distance = 2.41 mkm only daily…the moon daily displacement depend these both velocities difference…

This simple explanation gives us some answer for the question

Why the moon orbit apogee circumference = The Earth daily motion distance? i.e.
Why The moon apogee radius = 1/366 of the Earth orbital distance?!

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5-2 Earth Orbital Velocity

Earth moves daily a distance = 2.58 mkm

By such velocity (2.58 mkm /daily) the Earth needs 58.4 days to cover her orbital distance to the sun!
Let's write that in equation

$$\textbf{2.58 mkm } * \textbf{ 58.4 days = 150.6 mkm} \qquad \textbf{(Eq-5-1)}$$

(149.6 mkm, the registered earth orbital distance)

Why the Earth velocity covers her orbital distance during **this period**?
Let's see …

5-2-1 The Total Solar Eclipse

At total solar eclipse, the moon must be near to the Earth, exactly must be at radius = **372380 km**

Now we have interesting data

This moon orbit radius 372380 = **58.4 *** Earth Circumference!
i.e.
Moon Orbit radius at total solar eclipse = 58.4 *Earth Circumference

$$\textbf{(Eq-5-2)}$$

What we may learn from these 2 equations No. 5-1 & 5-2?
Let's use very simple geometry to understand and later we hope to explain the facts…

Now Suppose this Moon orbit is a disk or a Gear
And the Earth circumference is another disk or Gear!

What will happen?

When the moon orbit rotates one rotation (the big gear rotates), that will cause the Earth to rotates 58.4 times around here axis!

But the Earth rotation is one day for us…!

That means
One rotation of the moon orbit will cause the Earth to rotates 58.4 rotations (days!)
The Earth moves daily a distance = 2.58 mkm
So
If the moon orbit rotates one time only

He will cause the Earth to rotates 58.4 times and moves a distance = her orbital distance!

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This very simple explanation can't be interesting if there's no harmony …
My words have no value…

The point is

The Golden Lunar Orbit Whose Circumference = The Days Which The Earth Needs To Cover Her Orbital Distance By The Velocity Which No Factor Here May Effect On!!

I fond of the universe geometry…
I see the glory in every piece…

How we can solve this complex puzzle?

Let's add one more puzzle before to solve all of them

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5-3 The Solar Day

The fact is beyond imagination! Who can imagines it…

Moon circumference 10921 km* 86400 seconds =
= 943.574 m km Earth orbital circumference   **(Eq- 5-3)**

This equation tells us,

If The Earth Turns Around The Sun **In One Day**, The Moon Circumference Will Be A Distance For 1 Second!!!

Pure imagination, 365.25 days will be just 1 day!

But the Earth couldn't do that easily because she has to use the Moon orbit in her motion around the sun…
i.e.
If the Earth rotates around the sun in 1 day even, she has to turn around her axis 365.25 times in this same day, because she walks on the distance depending on the moon orbit as her vehicle…

So the rotation daily will be part of the Orbital Cycle regardless any period.

Now we have another shock!

If there Earth rotates around her axis one time it will be one day for us regardless its real time!

Let's summary that clearly

- If the Earth rotates around the sun in one day only, she has to rotates around her axis 365.25 times in this same day because she uses the Moon orbit as her Vehicle and has to turn this orbit 360 degrees to perform 2.58 mkm of the distance, and to complete her orbit distance 940 mkm she needs these 365.25 times.

- And when the Earth turns 360 degrees around her axis that will be **A Day** for us regardless the true time of this day!

Ok, What all that tells us?
The solar day is 86400 seconds correct
Our day is 237 seconds (of the original time)!!

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The previous description is a supposition depends on (Eq 5-3), but what useful results may be by it?

Let's see some of them…
- There are 2 different times in the solar group, the Earth time is different from the sun time. The Earth year (Earth orbital period) = 1 day of the sun…. i.e. the Earth day = 237 seconds of the sun time…

- The times difference is found because of the velocities difference between the Earth and the sun, while the sun moves slowly, the Earth moves by Light velocity relating to the sun.

- The Earth main task is to move to transfer the mechanical wave into light wave, and the Earth daily motion aims to produce the light beams

- The Earth moves daily 71 millions km relating to the sun in period 237 seconds (the sun time) i.e. the Earth velocity is the light velocity c

- The solar planets load their motions daily on the Earth motions, and by such way the Earth moves by her own velocity add to all other planets loaded motions, to transfer all of them from the mechanical wave into light wave.

Let's study that in details

5-4 The loaded motions !
We'll calculate the planets total motions for period 58.4 days, after we'll calculate the daily average..

Table No. 4	
Planet	The distance which he passed during 58.4 days
Mercury	239 million km (mkm)
Venus	176.6 mkm
Earth	149.6 mkm
Mars	121.6 mkm
Jupiter	66 mkm
Saturn	49 mkm
Uranus	34.3 mkm
Neptune	27.24 mkm
Pluto	23.71 mkm
Total	887 m km
Note please	
The Moon according to our new description rotates his orbit once daily	
i.e. he moves 2.41 mkm daily (and not through a month)	

So the Total distances = 887 mkm during period 58.4 days
The daily rate = 15.188 mkm + the moon daily motion 2.41 mkm

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Total daily date = 17.6 mkm

The Earth loaded & actual motions = 17.6 million km
17.6 *4 = 71 million km

Why we multiply with 4?!
I don't know, I follow the data
But, we may suppose that the matter has 4 sides, and to transfer from matter
into light we should multiply with 4 because the light has no sides!

5-4-1 The conservation law
The loaded distances on the Earth motion contain their energy.
i.e.
The Earth receives daily the whole works which are done by all solar planets

5-4-2 The Planets Motions
The basic job of the planet is
To Move Daily And Load His Work (His Moved Distance) On The Earth
Through The Moon Orbit
  - **Earth actual velocity 2.58 mkm / daily**
  - **Earth velocity with the planets loaded distances = 17.6 mkm/ daily**

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5-5 The Moon Orbit Motion

How does the moon move? …

And why the moon have 2 lunar months … ?

- The moon orbit rotates 360 degrees with the Earth daily, and if the moon was stationary, he would be taken with his orbit motion, but because the moon himself moves in the opposite direction, that enables him somehow to catch his position..

- The moon orbit moves daily 2.58 mkm (the apogee orbit 406000 km rotates 360 degrees) but the moon can't perform such motion daily, because he has to move in average radiuses.

- The apogee orbit motion with the Earth = 2.58 mkm but the moon motion in the opposite direction = 2.41 mkm, So the difference is 0.17 mkm, which causes **The Daily Actual Displacement For The Moon**…

- **The Actual Moon Displacement Daily Is 0.088 m km**, which equal 1/2 of the velocities difference. That because the opposite directions of the motions causes friction for the moon pulling process by his obit velocity, resulting an actual displacement = 1/2 the velocities difference.

In summary

The moon orbit moves with the Earth 2.55 mkm (to feed her with the loaded distances) but the moon himself moves 2.41 mkm in opposite direction because he goes to lower orbits radiuses to receives the planets worked distances!

The difference between these 2 distances = 2.55 – 2.41 = 0.17,

The actual moon displacement is 1/2 of this value because of the friction (88000km)

Please, review "The Solar system Geometry Part 2)

The author papers link in the last page of this paper…

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5-5-1 The lunar month

- The moon orbit feeds the Earth "a quantum of energy" = 71 mkm,

- The Earth daily velocity = 2.58 mkm (with the Moon apogee orbit), that means the earth receives this value in period = 27.5 days (almost 27.3 days the lunar sidereal month)

- i.e. the distances complete energy transfer to the Earth during this period = 27.3 days

- The moon daily velocity = 2.41 mkm, means he needs 29.53 days to complete his task

- i.e. he will receives 71 mkm in period 29.53 days only and not before..

- That means, the energy of the difference 2.2 days (29.53 -27.3) will be the start of the new Cycle which will be completed on next 27.3 days cycle..,

- i.e. the energy quantum is completed each month after 27.3 days and the different 2.2 days energy is considered the starting for the new cycle…

- Now we can see why there's 2 different lunar months…

We can see that, "this quantum energy" is one, **! that's important remark**

Because the moon receives these loaded distances and send them to his orbit, and the earth receives them from the moon orbit…!
Because this amount of energy is the same amount and not 2 different amounts for that reason we have 2 lunar months…

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5-6 The light beam

As we have supposed in 5-3, the sun light is produced by the Earth & planets motions.

The Earth basically transfer the mechanical waves produced by all solar planets motions into electromagnetic wave (light beam) because the Earth move by C velocity relating to the sun.

Now the produced light is a community of light beams found under the Earth, extends to diameter 1.392 million km (= the sky sun diameter).
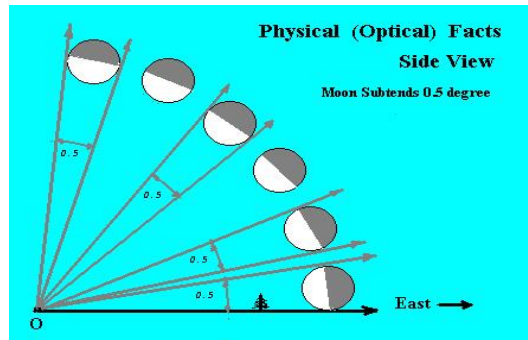
This light community I called the soft sun, let's see some of her features.

The Soft Sun Features

let's explain some important points here

- The soft sun consists of groups of light beams produced by the Earth loaded motion and not real material, and this soft sun is not the hot one in the sky, this is very soft sun, and the light is almost dim less than the moon light… the light moves by the light velocity but seems as foggy air…

- The light nature is changed after around 33 minutes to be the hot light, but in this case the light was traveled around 550 m km..

- The sun in the sky is found depending on the soft sun under the Earth & moon.

- Without the light produced by the Earth Motion, i.e. without the dim soft sun under the Earth, the sun in sky wasn't possible to be found..!

- (Note Please, The light in The Holy grave "of Our Lord Jesus Christ" is produced by this same nature and he's an example to learn us…

- The Hot Sun in the sky is (the reflected Image) for the Soft Sun, still effected by the moon shape, form and data..

- The mechanical process to create the matter is still unclear because of that I can't explain more clear How the sky sun is produced by the Light beams sent by the Earth loaded motion. In the Solar System Geometry (Part 2) I provided one idea how that's happening but still needs more proves..

- Also in the Solar System Geometry (Part I), I offered one idea to explain How the Matter is created by the Light (i.e. the planets were created by the light), spite of such explanation, the real equation to transfer the light into matter under the common circumferences is still far..

- " The Solar System Geometry (Part 2)" link

- http://vixra.org/abs/1703.0178

- " The Solar System Geometry (Part I)" link

- http://vixra.org/abs/1509.0126

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5-7- The Sun & Moon Diameters Angles

5-7-1 The Moon Diameter angle Is 0.5 Degree

we know that, the 2 sun rays which touch the moon diameter both sides has an angle = 0.5 degree …..what we may learn from that?

- The angle 0.5 degrees   expresses the Moon diameter = 3475 km
- 360 degrees   expresses   =2.5 million km

But we know that,

The moon orbit circumference = Earth daily velocity = 2.5 million km

Earth rotates daily 360 degrees to perform this distance 2.5 million km
Where the Earth rotates with the moon orbit (as we have discussed in Earth daily rotation sub-Point No. 5-1)
All that may lead us to the following conclusion…
"The Earth velocity is defined based on the moon diameter angle"

5-7-2 The Sun Diameter angle Is 0.5 Degree
With the sun we will repeat what we did with the moon

- The angle 0.5 degrees   expresses the Sun diameter = 1.392 mkm
- 360 degrees   expresses   =1002 millions km

But the previous results don't give us the required results…
So, let's suppose that the sun diameter is decreased with rate 7.25%
And repeat the calculations

- The angle 0.5 degrees   expresses the Sun diameter = 1.392 mkm

After decreasing
- The angle 0.5 degrees   expresses the Sun diameter = 1.291 mkm
- 360 degrees   expresses   =930 millions km

940 million km is the Earth orbital Circumference (error 1%)
The conclusion here will be
"The Full Cycle Of The Sun Diameter Angle Defines The Earth Orbital Circumference"

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5-7-3 Distance Of 1 Degree
- The moon full cycle distance (360 degrees)   =2.5 m km
- 1 degree distance of sun diameter (before decreasing)   =2.74 mkm
- 1 degree distance of sun diameter (after decreasing)   =2.58 mkm

Let's see some important rates as following

I- $\dfrac{2.74mkm}{2.5mkm} \times 360 = 388$

II- $\dfrac{2.58mkm}{2.5mkm} \times 360 = 365.25$ Sidereal year

III- $\dfrac{2.5mkm}{2.58mkm} \times 360 = 354.4$ Synodic year

IV- $\dfrac{2.41mkm - (moon - orbital - circumference)}{2.5mkm} \times 360 = 346.6$ nodal year

What conclusion we may reach here?

5-7-4 Earth Velocity & orbital circumference
We may summarize briefly the whole idea as following:
- The moon diameter angle full cycle = Earth daily velocity
- The full Cycle of the sun diameter angle (decreased) = Earth orbital circumference
- The rate between the previous 2 values create the sidereal year 365.25 days
- The rate between the sun diameter (before decreasing) and Earth daily velocity creates rate = 388 which very near to the rate 1/400 (moon/sun diameters rate)

The General Conclusion
- The Earth motion aims basically to rotate the full cycle of the moon diameter angle. We may imagine that the Earth orbital circumference is similar to a wall and the Earth daily motion is one brick, so the Earth Daily velocity builds the Earth orbital circumference day after day…

So
- The Sun, Earth & Moon diameters rate in comparison with their distances to the Earth were created because of the Earth daily velocity (or the Earth velocity is created because of these rates).

Note:
Is the sun diameter decreasing with rate 7.25% done because of Lorentz length retraction, based on the velocities difference between the Earth & the Sun?
This question we may deal in the next paper (**The Solar System Geometry Part 4).**

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6- **The Sun Origin & Nature**

6-1 The Sun Reality

The sun is the hard challenge in this study…

The current theory is clear & trustee…, she tells us that,

"The Sun Is A Star, Consists Of Hydrogen & Helium Where Here Energy Is Produced By The Nuclear Interactions"…

That means the following:

1- The sun origin is independent from the solar planets
2- The sun motion is independent from the solar planets
3- The attraction between the sun & solar planets depends basically on the gravity….

I have another theory…. may call it "**An Alternative Theory**" as following:

1) The Sun Light Is created By The Earth & Solar Planets Total Motions
2) The Earth sends the light to the sun continuously, because of that the sun is the source of light…
3) The Sun is created by the light sent from the Earth
4) The sun is a part of the solar group, her data depends on and created by the solar planets data and the whole group (the sun+ planets) is one system in his origin and motion…

So, my suggestion is unclear and causes great shock for many…
How can I prove such strange idea… ?

Let's suggest a good solution…
If the sun is a star, that means her Mass is independent…
Now if the sun Mass is dependent on some planets masses… that may support my claim…

Let's remember the mass distribution of the solar group

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6-1-1 The Sun Mass

I- The Solar Group Mass Distribution (More proves for this same claim)

The solar group total mass distribution tells us the solar planets can't be created randomly….

Let's see that as following…

- The solar group total mass = 2667 *10^{24} kg,
- This mass total is divided into 2 parts with rate 1: $(3.66)^2$= 200 :2467
- Value 2467 *10^{24} kg is divided with rate 3/10 (Saturn Mass/Jupiter mass)
- 200 *10^{24} kg is into 2 equal parts 100 (Neptune Mass) + 100 (others mass)
- 100*10^{24} kg is the total mass of (Uranus + Mercury + Venus + Earth+ the moon + Pluto) this value is distribution according to the following Equations..

$$\frac{Uranus-Mass}{Earth-Mass}=\frac{Venus-Mass}{Mercury-Mass} \qquad (1)$$

$$Mars-Mass = Mercury-Mass \times (Mars-orbital-inclination) \qquad (2)$$

$$Moon-Mass = \frac{Venus-Mass}{Earth-Mass} \times 100 = Pluto-(Mass \times moon-orbital-inclination) \ (3)$$

- From this distribution, we found that,

  The Earth Mass = (Mercury + Venus+ Moon +Mars) masses total

That means

$$\frac{Earth-Mass}{4\,planets-Masses-total}=\frac{Neptune-Mass}{(uranus-with-others)masses} \qquad (4)$$

I found, that's very hard to distribute the solar group masses total by previous explanation randomly!

Specially, we found the used rate $(3.66)^2$ is the same rate we found between many diameters (and will discuss more deeply in eclipse discussion Point no.4)

Also we found the moon orbital inclination used for the moon mass definition (and Mars orbital inclination is used for Mars Mass)

The previous discussion gives us a clear vision, that the solar planets Masses aren't found randomly, rather found with ordering and the total Masses were distributed according to the whole geometrical structure and Not as property for each planet!

II- The sun Mass

$$\frac{the-Sun-Mass}{Jupiter-Mass}=\frac{Jupiter-Mass}{Earth-Mass} \times \pi \qquad \text{(error 4.5\%)} \qquad \text{(eq.6-1)}$$

If we accept the solar group masses distribution (point I), so the equation (Eq 6-1) is very similar…

But if we consider this relationship is "pure Coincidence" we should wait till discuss the Sun & Jupiter relationship, to see why Jupiter Mass specifically define the Sun Mass (of course the Earth mass is a factor because the light beams sent from the Earth to the sun… and because of that the sun mass is depended on Earth mass… but for Jupiter we need to wait a little)..

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6-2 The Sun Geometrical Relationships With The Solar Planets

6-2-1 The Sun & Jupiter

There are important remarks concerning Jupiter diameter let's take a look as following

- # **Jupiter Circumference * Π = the sun diameter**

- ### **Sun diameter * moon diameter = Jupiter orbital circumference**

- All solar planets diameters total (without Saturn) = Jupiter diameter
- The Moon Orbit Radius (at apogee) = 2 Jupiter diameter +1 Saturn diameter (but moon orbit radius at total solar eclipse point = Saturn circumference)!

Comment on data
- Because we don't know the solar geometrical structure, we can't explain how these relationships are created and what are their roles… But, of course the previous relationships are real geometrical relationships.

We have clear idea
- The relationship between the sun & Jupiter isn't unique one in the solar, rather all solar planets are related to each other by similar relationships… so the idea is clear let's write it clearly
    - o I claim, the planets matters are created based on the geometrical relationships between them, that means the sun also is created based on such geometrical relationships because no matter or mass can be found individually as we have discussed in point no. 3.
    - o That means the sun, Although she is the source light of the solar groups isn't different from the solar group neither in her origin nor in her motion… but the sun is the light source because the solar system geometry gives her this job, and for her job, she acquires her diameter, mass and other data…

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6-2-2 Jupiter Orbital Circumference

Jupiter Diameter is very distinguish value in the solar system Geometry..
Let's see this specific value….

- **Jupiter diameter (142984 km) * 7** = **1 million km**

- **Jupiter diameter * Π^2** = **The Sun diameter**
- **All solar planets diameters total** = **2 Jupiter + 1 Saturn**

Now we need to see Jupiter orbital Circumference …

Jupiter Orbital Circumference

Table No. 4		
The Relationship		**Error**
Jupiter Orbital Circumference =		
= **Jupiter Circumference * Moon Circumference**	=	**Not More Than** **1.2 %**
= **Sun Diameter** *** Moon Diameter**	=	
= Earth Circumference *** Saturn Diameter**	=	
= Earth Circumference * Venus Circumference * Π	=	
= Jupiter Diameter * Mercury Diameter * 7	=	
= **Mars Earth Distance 78.3 million km * $2\Pi^3$**	=	
=2 Mercury Circumference * Uranus Circumference	=	
= Jupiter Radius * Pluto Diameter * 28.3	=	
= (Mars Orbital distance * Mars Circumference)/1000	=	

Table No. 4 Discussion

We have 5 important equations in the previous table No. 6, let's see them

1st

Jupiter orbital Circumference = Moon Circumference * Jupiter Circumference (The origin of moon diameter)

2nd

Jupiter orbital Circumference = Sun Diameter * Moon diameter

3rd

The Sun Diameter = Jupiter Diameter * Π^2

(the origin of the Sun Diameter)

4th

Jupiter orbital Circumference = Earth Diameter * Saturn Diameter

5th

Jupiter orbital Circumference = Mars Earth distance * $2\Pi^3$

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Equations 1, 2 and 3 are the reasons to create the Sun diameter = 400 the moon diameter…
But How the Earth Orbital Distance = 400 Earth Moon Distance?

Let's answer that in following…

6-2-3 The Sun / moon diameters rate definition by Jupiter…
Let's try to see that deeply….

Table No.5

The Relationship	Error
Jupiter Orbital Circumference = 4891.5 million km =	
I- 4891.5 m km = Earth diameter* Moon orbital radius (383000 km) (384000 km is the moon orbital average distance)	-
II- 4891.5 m km = Venus diameter* Moon orbital radius (406000 km) (406000 km is the moon orbital distance at apogee)	-
III- 4891.5m km= 6.16 mkm^2 (The sun Area)* Jupiter orbital distance (Sun Area = Sun Circumference * Sun Diameter)	2%

Table No.5 Discussion
The previous table is our Goal
Please look at it deeply
What we learn from this table ?
1- (The equations I & II) tell us that, the Moon orbital distances are defined through 2 planets diameters (Earth & Venus), Earth defines the moon orbital distance, and Venus defines the moon orbital distance at apogee… both values are controlled by the Jupiter Orbital Circumference… So, we know now How the distance between the Earth and the Moon is created

2- The third equation tells us that, the Sun area is defined by the Jupiter orbital Circumference… which is the same factor by which the moon orbital distance is created! **Now we know that the sun diameter is created through the Jupiter Orbital circumference…**

3- So, Jupiter Orbital Circumference defines Sun diameter, moon diameter and the moon orbital distance ….

Jupiter Diameter Discussion
I need to explain the main idea of the sun creation
- The Planets diameters are connected to each other geometrically, and each planet diameter is related to his orbital distance, for that all the planets orbital distances are related to each other, **and the sun is the proportional constant between all these distances….**

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6-2-4 Jupiter –planet distance

One more important remark, the distance between Jupiter and the planet

- Mercury orbital circumference = 2* Jupiter –Mercury distance (both at the same side)
- Venus Orbital Circumference = Jupiter –Venus Distance (Both Of Them At The Same Side
- Earth Orbital Circumference = Jupiter –Earth Distance (one of them in side opposite to the other) (940 Earth orbital circumference = 778.2 Jupiter orbital distance +149.6 Earth orbital distance)

Comment on data
- The previous data tells us that, Mercury, Venus & Earth positions to the sun are defined based on their distances to Jupiter!

- Once again the direct vision deceives us, and the data analysis is the correct solution… !

- I have no explanation, why the three planets positions are defined through Jupiter position! But we can see a real relationship between Jupiter & the sun, which may extends our vision & thinking

- I guess we realize more easy now why the sun Mass definition depends on the Earth & Jupiter Masses, because the Earth is the source light and by Jupiter the sun defines her diameter!

- The direct geometrical explanation will answer all our confused questions, but at least now, I guess no one can claim all these relationships are "pure coincidences" because the geometrical relationships are shown strongly enough to disprove such claim..

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6-3 The Sun &Venus

Let's remember one more equation

IV- $(\dfrac{Sun-diameter}{Venus-diameter})115\times\dfrac{180}{177.4(Venus-axial-teilt)}=116.8(venus-day)$

We discussed that, the number 115 degrees is Mars axial tilt
And we found that this number 115 can be equaivlent to 205 degrees
Where sun diameter/ mars diameter = 205

And we have seen that
- Saturn diameter $= \pi \times$ Venus Circumference
- Saturn Orbital distance $=$ Saturn diameter $\times$ Venus diameter
- Neptune orbital distance $=$ Saturn diameter $\times$ Venus Circumference
- Neptune orbital distance $=$ Saturn Orbital distance $\times \pi$

- **Saturn Orbital distance   =Mars orbital Circumference**
- Saturn Orbital distance $= 2\times$ Mercury Jupiter distance
- Saturn Orbital distance $\times 2$ $=$ Uranus orbital distance
- Saturn Orbital distance $\times \pi$ $=$ Neptune orbital distance
- Saturn Orbital distance $=$ Pluto eccentricity distance

I may add more important data here as following
- We know Metonic cycle degrees = 361 degrees
- The light needs 361 second to reach to Venus from the sun
- The sun circumference = 361 * Venus diameter

Comment on data
The previous data tells us there's a **specific relationship between Venus, Mars & the sun…**
This relationship is relating to 1433.5 mkm (Saturn orbital distance = Mars orbital circumference)
But its force is very clear
For example, we can easily define any planet position to the sun through Venus diameter!
Let's See that in following

Saturn diameter = Venus Diameter * П^2
That means the Saturn orbital distance actually is defined by Venus
Saturn orbital distance = (Venus diameter)^2 * П^2

So I found it's suitable to try to define all planets orbital distances based on Venus Diameter only … as following

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Table No. 6

Constant	$*\Pi^n$		The distance	Error
(Venus diameter)^2	$* \Pi^0$		149.6 mkm Earth orbital distance	2%
	$* \Pi$		455.8 m km Mars Orbital diameter	-
	$* \Pi^2$		1433.5 mkm Saturn Orbital distance	-
	$* \Pi^2$	/2	720.3 mkm Mercury Jupiter distance	-
	$* \Pi^2$	*2	Uranus orbital distance	-
	$* \Pi^2$	*4	Pluto orbital distance	1.4%
	$* \Pi^3$		Neptune orbital distance	1.1%
	$* \Pi^{-1}$	*2	Earth Mercury distance	2%
	$* \Pi^{-2}$	*4	Mercury orbital distance	2.5%
	$* \Pi^{-2}$	*8	Venus Mars distance	-
Note please (-) means the error less than 1%				

Discussion

We should note that, the strong relationships between the sun, Venus and Mars enable any of them to define **All Solar Planets Orbital Distances**, as we have seen the Venus ability in previous table and also we have seen the Mars effect.

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6-4 The Planets Orbital Eccentricity

6-4-1 The Planets Orbital Eccentricity & the Sun Diameter
I found the following rule ..

The Sun Radius * Planet Eccentricity = Another Planet Diameter

Let's see that in the following table

Table No.8			
Constant	*** Eccentricity**	**Diameter**	**Error**
696000 km **The Sun Radius**	* Mercury Eccentricity = 696000 *0.205 = 142680 km	= Jupiter Diameter	-
	* Venus Eccentricity = 4872 km	= Mercury diameter	-
	* Earth Eccentricity = 11852 km	= Venus diameter	2.2%
	* Moon Eccentricity = 38280	=Venus Circumference	-
	* Mars Eccentricity = 65424 km	= Mars diameter *Π^2	2.5 %
	* Jupiter Eccentricity = 34104 km	= Moon diameter *Π^2	-
	* Saturn Eccentricity = 39672 km	=Earth Circumference	1%
	* Uranus Eccentricity = 32016	=**Mercury Radius** * Π (Π+1)	-
	* Neptune Eccentricity = 7656	=Pluto circumference	1.9%
	*Pluto eccentricity = 169824	=Moon radius*Π^4	-

Table No. 8 Discussion
What we learn from the previous table
Let's summarize the conclusions in following:

- The first question is …. Why?.... Why the sun radius multiplying with the planet eccentricity produces a planet diameter?
- It's impossible to be coincidences to produce **ALL** solar planets diameters by the solar planets eccentricities! So How that can be occurred?

Let's try to explain that as following
- o We have to suggest there are relationships between the planets diameters (as we have seen in point No. 3 "the Matter origin"),
- o Then we have to suggest there's a relationship between the planet diameter and its orbital distance (and this relationship I discussed in previous paper (The Solar System Geometry part2 "http://vixra.org/abs/1703.0178")
- o And then we should suggest that, the sun diameter is the proportional constant between all the planets distances.. by such way we may find the general equation which produced the previous table No. 8

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6-4-2- The Sun Gravity

I provide an equation to define any planet gravity based on Earth gravity

Gerges Francis Equation

$$\text{The planet gravity} = (\frac{\text{Earth Diameter}}{\text{The Planet Diameter}})^2 \times (\frac{\text{The Planet Mass}}{\text{The Earth Mass}}) \times \text{Earth gravity}$$

Let's use this equation to define the solar planets gravities & The Sun Gravity

The Planets Gravities Table

Planet	Equation	Resulted	Registered	Error
The Sun	**(Earth/Sun diameters rate)^2 (Sun Mass/ Earth Mass)* earth gravity = (1/109)^{2}* 333000*9.8= 274**	**274**	**274**	**0**
Moon	$(3.66)^2$ x $(0.073 / 5.97)$ x 9.8	1.6 m/sec^2	1.6 m/sec^2	0
Mercury	$(2.61)^2$ x $(0.23/5.97)$ x 9.8	3.7 m/sec^2	3.7 m/sec^2	0
Venus	$(1.0538)^2$ x 4.87 /5.97 x 9.8	8.9 m/sec^2	8.9 m/sec^2	0
Earth	9.8	9.8	9.8	0
Mars	$(1.878)^2$ x $(0.642 / 5.97)$ x 9.8	3.7 m/sec^2	3.7 m/sec^2	0
Jupiter	$(0.0892)^2$ x $(1898 / 5.97)$ x 9.8	24.7 m/sec^2	23.1 m/sec^2	6.9%
Saturn	$(0.10582)^2$ x $(568/5.97)$ x 9.8	10.44 m/sec^2	9 m/sec^2	16%
Neptune	$(0.2575)^2$x $(102/ 5.97)$ x 9.8	11.1 m/sec^2	11 m/sec^2	0.9%
Pluto	$(6.97)^2$ $(0.0131 / 5.97)$ x 9.8	1.04 m/sec^2	1.1 m/sec^2	5.4%
Note please: The Big errors caused by using of the squared values i.e. Saturn error isn't 16% but just 4% and Jupiter error isn't 6.9% but just 2.6% .. etc)				

The Gravities Table Comments:

A-Why The sun follows the same equation? If she is created independently from the solar planets?

B- Why the gravity equation is working? **If Each Planet Mass is independent?**

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7- The Solar system General Description

7-1 Introduction

The question is… How paper as such can be written?

If this paper isn't mistaken completely… How all of us get such great many shocks in our solar system understanding?

Is it possible, to have all such mistakes in our description concerning the solar system? And How can be many great mistakes to find together as such?

Actually there's only one mistake .. but general one
It's the wrong vision..
Let's imagine a group of people see a spoon in a cup of water…
All of them see the spoon is broken…

If any one says "the spoon is broken" no one will object.. it's general wrong vision…!
That's our situation…
But actually the physicist alone will be responsible for that…

Basically because he ignores and avoids the solar planets data intentionally

Now let's provide the conclusions, which we reach about the solar system geometry in following…

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7-2 The Solar System General Description

- Now we know that the Earth Orbital Period (a sidereal year) = 1 Solar Day of the sun time. That means there are 2 different times at least in the solar system.. (That may mean there are also 2 different light velocities in the solar system)[2]

- We understand that the solar group is dynamic motion, that means nothing is stationary, as the river we see him in the same place always, but the water always change…

- The sun is similar to that, the sun is a contact point to which the Earth sends her product of the light beams. Now the sun will receive the light beams and will send him again… So the sun is the contact point…the change actually is happening for the light nature …. The produced light beams are dim & similar to the foggy clouds, and he continues as such for 33 minutes, after he will have his bright nature… for that the sending light to the sun can't be seen as bright light.. but the sun always sends bright & hot light..

- The sun diameter is the outer frame of the river, before it the light beam gets coherence and becomes darkness (according to Young experiment- we'll discuss later) and also after the sun diameter the light gets coherence and becomes darkness, so the bright light is surrounded in the sun diameter, for that we consider the sun is solid star emitting the light…

- As we discussed before in point no. 4-6 – "The General discussion", Einstein Equation can help us… $E = mc^2$, so E is the universe mother, and c^2 is the mass complementary…. Because we live with matters around us, we can imagine that the Mother Energy E has very great velocity while she was alone in the universe… but after the Mother energy gave birth to the material world, the rest energy was not so much for that reason the light velocity is $C = 0.299$ million km/sec… but the mother Energy velocity was almost very greater than C velocity…(I guess 1.16 million km). this idea needs a real proof to disprove the basic hypothesis of the special theory of relativity. (i.e. if we can calculate light + matter = Energy for the whole solar group, we may reach to a real proof for this claim).

- Jupiter receives the sun light beam, and by this relationship Jupiter diameter is formed in geometrical relationship with the sun diameter

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[2] - 1st velocity $C = 0.299$ million km/sec and the second velocity $C_2 = 1.16$ million km/sec, but I have no proof for that yet).

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- The calculations & relationships between the sun & Earth aren't clear because of their velocities difference

- The length retraction which we have found many times in calculations concerning different diameters is found because of Lorenz retraction

Let's see the real solar group map in following
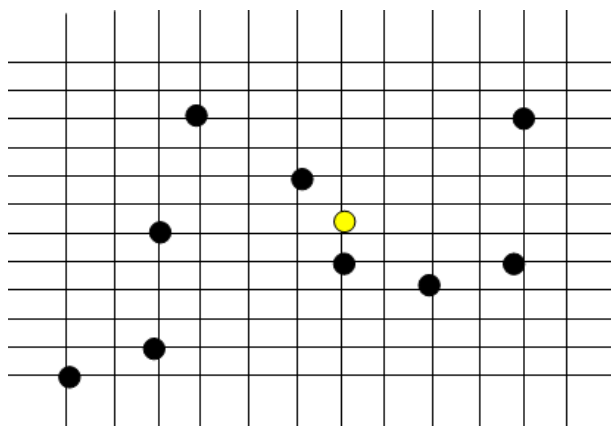
The previous figure gives us a map of the solar group

- The yellow circle is the sun, and the others are the planets
- Each body is found based on connection point of the light beams (or energy lines)
- The light beams coherence produces the planets bodies
- So it's almost impossible to distinguish between the matter and the light both of them is replaced in the other position according the geometrical job

Let's offer a suggestive idea "how the solar planets were created"

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7-3- The Solar Group Creation Suggestive Theory

We may remember Young experiment (2 silts experiment)

In this experiment Young made coherence of light which produced bright lines and dark lights as shown in the figure
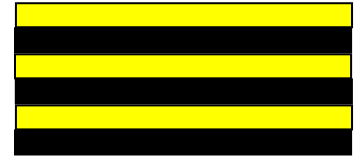
What that means?
I consider any dark lines in the universe as a product of the light coherence according to Young Experiment…

What's useful from this idea?
Based on this explanation, I consider the solar eclipse umbra is produced by light coherence and Not produced as the Moon disc shadow….

Let's see that deeply

Let's suppose that 2 light beams got coherence with each other, between them the angle equals θ (found randomly)
one light beam starts from the sun position, and the coherence is done on the moon position, where the umbra length is defined by the coherence process

(This description supposed that the sun, Earth and moon are not found yet)
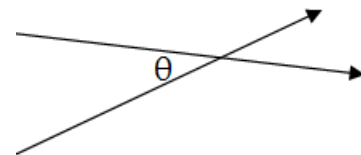
the figure shows the angle between 2 light beams

based on the previous description we have seen that the angle θ is found by random, and the positions of Sun & Moon were supposed but the Earth position is found through the light coherence process…

how that can help us?

Let's remember this Equation

$$\frac{Earth - diameter}{moon - diameter} = \frac{moon - diameter}{\pi d} = \frac{Sun - diameter}{Earth - moon - dis\tan ce} = \frac{Earth - orbital - dis\tan ce}{Earth - Venus - dis\tan ce} = \frac{\theta}{\phi} = 3.66$$

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Where

d　　　: is the covered distance on Earth by the total solar eclipse umbra

θ　　　: total solar eclipse angle = 0.532 degrees

Φ　　　: is an angle = 0.142842 degree, which is defined as following
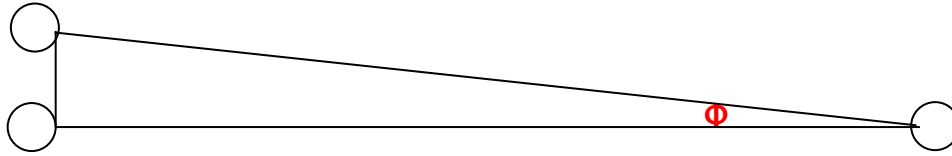
So The angle **Φ** is defined based on the locations of the Sun, Moon & Earth…

Now we can see the rate 3.66 is produced from these two angles **Φ** & θ

$$\frac{\theta}{\phi} = 3.66$$

Let's try to create the other players from the previous angles equation

I-　The Moon Diameter Creation:
What we have?

We have the following:

-　The Rate 3.66

-　The total solar eclipse umbra shadow (which found by the light coherence), this shadow covers very narrow distance on Earth = 304 km whose Circumference = 955.4 km

So How the moon diameter can be created?

955.4 km *** 3.66** = 3475 km (the moon diameter)

II-　The Earth Diameter Creation:

3475 km (the moon diameter) *** 3.66** = 12756 km (the Earth diameter)

III-　The Earth – Moon distance Creation:

40080 km (the Earth Circumference) * **955.4** km (the solar umbra shadow on Earth circumference = 304 km *П) ***0.01** = 384000 km

IV-　The Sun Diameter Creation
384000 km (Earth – Moon distance) *** 3.66**= 1392000 km

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V- General Comment

The previous 4 points refer to how these four values are related geometrically to each other…

If we consider all such relationships are produced only by "Pure Coincidences" that can't help us to see any truth here… and that will make us as a blind in garden, where the beauty in everywhere we see nothing

Now these relationships aren't "pure Coincidences", So How these values can be produced according to this strange sequence?!

The question is "How the Matter is created"? Or even if the matter is found at all and we see wrongly? Such questions I can't answer till now …

What I can say is, the relationships are truth geometrically, and found in the basic planets structures…
But How such relationships can be found? It's hard question

An idea

(The solar umbra shadow isn't produced by the moon disc but the shadow is produced by the light coherence and we see the moon disc because we have a body ! For that reason there's some relationship between our body and the moon (also with other universal bodies as the sun and stars--- That may answer why the creature sleeps at night with the Sun absence?, may the human body made of light and the sun is his source, so when the source is absent may the body feels fatigue and sleep! …)

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7-4 The Jupiter Diameter Creation

7-4-1 Φ angle

In the figure
Let's

- **A is The Sun**
- **B is The Earth**
- **C is The Moon**

Angle A we called **Φ** (this is the same angle in previous point 7-3)
Based on the real distances
Φ = 0.142882 degree

If 0.985626 degree = 1 million km
That means the distance which is defined by **Φ angle = Jupiter Diameter!**

Now if the Moon orbital diameter = 1 million km
That means Jupiter diameter is created by this angle toward the moon orbital
diameter…

Note: Earth rotates 360 degrees daily, Earth daily moves a distance = 0.985626
degree of the sun diameter angle (after decreased) and the moon orbital
diameter = 1 mkm. (review the solar System Geometry Part 2)

Now Let's see Moon diameter
7-4-2 Moon Diameter
- Jupiter Diameter = Moon Diameter *13.18

But we know that
- Moon moves daily 13.18 degree around the Earth…. That tells us there's
  some degree relationship between Jupiter and the moon, by which the
  planet is **created in motion, where this motion geometrical feature is
  created with the planet creation**
- That's why the moon orbital circumference (at apogee) = the Earth daily
  motion because it's part of the Earth motion which is found with the
  Earth Creation…

7-4-3 Earth & Venus Diameters Creation
- Earth Diameter = (Jupiter Mass / Earth Mass)* Π^3 * 1.3 (Jupiter orbital
  inclination
- Venus Diameter =(Jupiter Mass / Venus Mass)* Π^3

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Appendix No. 1 The Planets alignment in December 2012
(I called: The Egyptian Astronomic Phenomenon 2737)

1- Introduction

On 3rd December 2012 aligned 3 planets (Mercury, Venus and Saturn) on the three Great Pyramids heads in Egypt, the Phenomenon repeated just once each 2737 years.

I called this phenomenon

"The 2737 Egyptian Astronomic Phenomenon"

In this paper I present the proof that the 2737 Egyptian Phenomenon Cycle depends on the Moon Metonic Cycle!

And then in the 3rd Chapter I'll discuss how the three planets (Mercury, Venus and Saturn) depend on the Earth- moon orbit in their motions!

In this introduction I'll refer just to some interests we got by the 2737 Egyptian phenomenon.

Some interests we got by 2737 Egyptian phenomenon:

- ❖ *First* we know that the Pyramids builders recognized the different astronomic cycles, and especially 2737 phenomenon, for that they built just 3 pyramids at its parallel line.

- ❖ *Second***,** we know that the Pyramids builders knew the relative distances between the planets and built the pyramids at their rates!

- ❖ *Third* where the 2737 phenomenon repeated on 3rd December 2012 for the third time, so the Number 8211 years is important number for human life or at least for the pyramids age.

- ❖ *Fourth***,** I may claim that the Pyramids builders built the three Pyramids specifically for the 2737 Egyptian phenomenon.

- ❖ *Note:* The Great Pyramid Height is 5776 Egyptian inches = the distance between the Sun & Pluto (each inch = 1 million kilometer)

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1ST SECTION

Why the Lunar year doesn't correspond with the sidereal year at any cycle?[3]

We know that the moon turns with the Earth around the sun, so why the lunar year which equals 354.36 days (lunar Synodic period 29.53 days x 12 months) doesn't correspond to the Sidereal year that equals 365.25 days at any cycle?

We see the 32 Sidereal year a cycle   = 11688 days

But the Lunar year cycle   =33 years - **5.81 days** =11693.88-5.8= 11688

And why there's this addition 5.81 days to prevent both periods to meet each other

We know that the plane of lunar orbit regresses 19 degrees each year that causes the eclipse to come early 19 days each year[4]

So that said the movement of 19 degrees causes change for 19 days

And now we see the lunar year come early 5.81 days, and the lunar plane has inclination to ecliptic equal approximately 5.14 degrees…

Can I suppose that this difference between Sidereal Cycle 11688 days and Lunar Cycle 11693.88 days which equals 5.8 days caused by the lunar plane inclination 5.14 degrees (later we will discuss How?) When we divided this inclination value 5.14 degrees (or the period 5.8 days) at 360 we find that,

The Lunar orbital inclination causes the lunar Synodic day to come early approximately 21 minutes daily..

That lead to the following results

- The correct Synodic month is 29.515
- The correct Synodic year is 354.1818 days   And by such way

The lunar cycle which contain 33 Synodic year   = 11687.999days

The Sidereal Cycles which contain 32 sidereal year   = 11688 days

Where both come to end in the same day

And So the cycle of 32 sidereal years equals 33 modified Lunar Synodic years (modified lunar year = 354.1818 days) perfectly

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[3] - the day defines here approximately 86164 seconds where the sidereal year is 365.25 days.

[4] - Total Solar Eclipses and how to Observe them- Martin Mobberley- page. 11

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2ND SECTION

The Basic Lunar Year 360 Days

Now I modified the lunar year already from 354.36 to be 354.1818 days

But there's another year related to the moon,

In this year we should added the modified year 354.1818 to the difference of

days caused by the lunar orbital inclination which was 5.8 days approximately

So 5.8+ 354.1818 = 360 days approximately

That's the ancient biblical year And I'll call it

The Basic Lunar Year

Now we have three types of years

- **The Basic Lunar Year   =360 days**
- **The modified lunar Synodic year   =354.1818 days**
- **The Sidereal year   = 365.25 days**

And we'll see how the Metonic Cycle effect on each of them

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3RD SECTION

The 2737 Egyptian Astronomic Phenomenon depends on Metonic Cycle

The Metonic Cycle defines as a moon Cycle continues for 19 Sidereal Orbit year which equals 6939.75 days, and Metonic Cycle made because the Lunar orbit plane regresses yearly 19 degrees that causes the eclipses to come early 19 days yearly.

The Following Table shows How The Metonic Cycle Effect On The Different Years

Metonic Cycle Number	Sidereal years No. (365.25 days)	Number of modified Lunar year (equals 354.1818 days)		The Basic lunar Year Numbers (360 days) For each Metonic Cycle
		Lunar years in each Metonic cycle	**The Lunar years (354.1818days) Numbers For each Metonic Cycle**	
M. Cycle 1	19 S. Year	**19**	19 Lunar Y. + 210.295 days	19 BLY (Basic Lunar Year) + 99.75d(days)
M. Cycle 2	38 S. Y	**20**	38 L. Y. +420.59d = **39 L. Y + 66.408 d**	38 BLY+ 199.5 d
M. Cycle 3	57 S. Y	**19**	58 L. Y + 276.703 d	57 BLY+ 299.25d
M. Cycle 4	**76 S. Y**	**20**	77 L. Y +486.998 d = 78 L. Y +132.8162 d	76 BLY+399d = **77 BLY+39 days**
M. Cycle 5	95 S. Y	**19**	97 L. Y + 343.111d	96 BLY+138.75d
M. Cycle 6	114 S. Y	**20**	116 L.Y +553.406d = 117 L. Y + 199.224d	115 BLY+ 238.5d
M. Cycle 7	133 S. Y	20	136 L. Y +409.519d= **137 L. Y +55.3374d**	134BLY+ 338.25d
M. Cycle 8	152 S. Y	19	156 L. Y +265.6324d	153 BLY+438d= **154 BLY+78days**
M. Cycle 9	171 S. Y	20	175 L. Y +475.9274d= 176 L. Y + 121.745d	173 BLY+ 17.75d
M. Cycle 10	190 S. Y	19	195 L. Y+ 332.0406d	192 BLY+ 277.5d
M. Cycle 11	209 S. Y	20	214L.Y +542.3356d= 215 L. Y +188.1538d	211 BLY+ 37.25d = 212 BLY+ 17.25d
M. Cycle 12	228 S. Y	20	234 L. Y +398.4488d= **235 L. Y +44.267d**	231 BLY+117d
M. Cycle 13	247 S. Y	19	254 L. Y +254.652d	250BLY+ 216.75d
M. Cycle 14	266 S. Y	20	273 L. Y +464.857d= 274 L. Y + 110.675d	269 BLY+216.5d
M. Cycle 15	285 S. Y	19	293 L. Y +320.9702d	288 BLY+416.25d= 289 BLY+56.25d
M. Cycle 16	304 S. Y	20	321L.Y +531.2653d= 313 L. Y +17.0834d	308 BLY+156d
M. Cycle 17	323 S. Y	20	332 L. Y +387.378d= **333 L. Y + 33.1966d**	327 BLY+255.75d
M. Cycle 18	342 S. Y	19	352L.Y+ 243.4916d	346 BLY+ 355.5d
M. Cycle 19	361 S. Y	20	371L.Y +453.7866d= 372 L. Y + 99.60486d	365 BLY+455.25d= 366 BLY+ 95.25d
M. Cycle 20	380 S. Y	19	391 L. Y + 309.8992d	385 BLY+195d
M. Cycle 21	399 S. Y	20	410 L. Y + 520.1948d= 411 L. Y +166.013d	404 BLY+294.75 d
M. Cycle 22	418 S. Y	20	430 L. Y +376.308d **431 L. Y +22.12626d**	423 BLY+394.5d= 424 BLY+ 34.25d
M. Cycle 23	437 S. Y	19	450 L. Y + 232.4212d	443 BLY+ 134.25d
M. Cycle 24	456 S. Y	20	469 L. Y +442.7162d= 470 L. Y + 88.5344d	462 BLY+ 234d
M. Cycle 25	475 S. Y	19	489 L. Y +298.829d	481 BLY+ 333.75d

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M. Cycle 26	494 S.	20	508 L. Y + 509.1244d= 509 L. Y + 154.9426d	500 BLY+433.5d= 501 BLY+ 73.5d
M. Cycle 27	513 S. Y	20	528 L. Y +365.2376d= **529 L. Y +11.0558d**	520 BLY+173.25d
M. Cycle 28	532 S. Y	19	548 L. Y +221.3508d	539 BLY+273d
M. Cycle 29	551 S. Y	20	567 L. Y +431.6458d= 568 L. Y + 77.464d	558 BLY+ 372.75d= 559 BLY+ 12.5d
M. Cycle 30	570 S. Y	19	587 L. Y + 287.759d	578 BLY+ 112.5d
M. Cycle 31	589 S. Y	20	606 L. Y + 498.054d= 607 L. Y + 143.8722d	597 BLY+ 212.25d
M. Cycle 32	608 S. Y	20	**626 L. Y + 354.1872=627 L. Y**	616 BLY+ 312d
M. Cycle 33	627 S. Y	**19**	646 L. Y + 210.295	635 BLY+ 441.75d = 636BLY+51.75d
M. Cycle 34	646 S. Y	**20**	665 L. Y + 420.5754d= **666 L. Y + 66.3936d**	655 BLY+151.5d
M. Cycle 35	665 S. Y	**19**	685 L. Y + 276.6886d	674 BLY+ 251.25 d
M. Cycle 36	684 S. Y	**20**	704 L. Y +486.9836d= 705 L. Y ++132.801d	693 BLY+ 351 d
M. Cycle 37	703 S. Y	**19**	724 L. Y + 343.096d	712 BLY+ 450.75d =713BLY+90.75d
M. Cycle 38	722 S. Y	**20**	743 L. Y + 553.391d= 744 L. Y + 199.2092d	732 BLY+190.5d
M. Cycle 39	741 S. Y	20	763 L. Y +409.5042d= **764 L. Y + 55.3224d**	751BLY+289.5d
M. Cycle 40	760 S. Y	19	783 L.Y + 265.6174d=	**770BLY+389d= 771 BLY +29 days**

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The Previous Table Study classified into 2 parts

First Part : The study of the column of the modified lunar year (which equals 354.1818days)

1- **Each 32 Metonic Cycles** the last day of modified lunar year (equals 354.1818 days) corresponds with the last day of Metonic cycle which is the Sidereal Year last day where the lunar modified years equal 627 lunar years that equals 608 sidereal years perfectly.

2- The difference days between the Modified lunar year with the Metonic Cycle moves in Cycle and decreases as following (66.4- 55.33- 44.26- 33.19- 22.126- 11.0558 – 0.00 days) at 98 years interval (98 modified Lunar years – which equals 354.1818 days)

3- The modified Lunar years number for each Metonic Cycle shown in the table, and I found the following Modified Lunar Year order **"19-20-19-20-19-20"** repeats once with each Cycle consist of 627 modified Lunar year

    a. That means with the last day of the Metonic Cycle No. 32 which equals 608 Sidereal Years but equals 627 Modified lunar year. after this Cycle ends, and starts the new one the modified lunar year order 19-20-19-20-19-20 will repeat once again as a mark for the new Cycle starting (this order in table marks by Gray color)

    b. We can call the Metonic Cycle no. 32 a Cycle for the modified Lunar year with the Metonic Cycle (this Cycle in Table remarked by Yellow)

Second Part: The Study Of The column of the Basic Lunar Year (equals = 360 Days)

1- We see in the table the day common fractions spread through the cycles but these fractions unify to be one day each 4th Metonic Cycle which equals 76 Sidereal years (that similar to the Sidereal Year, 3 years equals 365 days and the 4th year is 366 days)…..

2- but after 4th Metonic Cycle the last day of Basic Lunar year (which equals 360 days) doesn't correspond the last day of the Metonic Cycle because there are 39 days addition to the Basic Lunar years (means 76 Sidereal years = 77 Basic Lunar Years +39 days). And with the

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following cycles this number increases regularly by addition 39 days each 76 Sidereal years. (so after more 76 years we finds at the 8th Metonic Cycle 154 Basic Lunar Year + 78 days…. And that continues)

3- But at Metonic Cycle No. 40th which equals 760 Sidereal Years we find this number equals 771 Basic Lunar years + **29 days**, and that means the rest days **decreased from 39 days to be 29 days during period (760 Sidereal Years -76 Sidereal years = 684 years)** and this is the difference between the Metonic Cycle No. 4 and Metonic Cycle No. 40…and all that says… **EACH 684 SIDEREAL YEARS, THE REST DAYS DECREASE 10 DAYS**

4- Now we know that 39 days prevented the basic lunar year to end in the same day with the 4th Metonic Cycle, and we know this period 39 days decreases by 10 days each 684 sidereal years, and that means we need four Cycles which will decrease the 39 days to be (-1 day) which is the most near to the metonic Cycle.

5- Now we need 4 Cycles of the period 684 years where **These 4 Cycles Equals 2736 Sidereal Years**

6- And based on that the 2736 Phenomenon was a Metonic Cycle and this period was needed to Correspond the Basic Lunar year with the last day of Metonic Cycle (the Basic Lunar Year equals 360 days − the bible year which no one considers in modern life)

7- Now we saw 39 days which found in Metonic Cycle No. 4, have decreased as (10/10/10/9) at interval 684 Sidereal years for each 10 days, by that we found the 2737 Egyptian phenomenon for which we researched,

8- But still there are two questions, first about the number because we got the Cycle of 2736 Sidereal Years and not 2737 Sidereal Years, and the second question about the last day we need because 39 equals (10/10/10/9) and the decreasing **EACH 684 years equals 10 days** and that means the last cycle will have -1 day

We still have 2 question to answer respectively

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The First Question

says we got relation to the Cycle 2736 Sidereal years and not to 2737 Sidereal years phenomenon? And how 2736 Cycle related to 2737 Cycle?

the answer

As we know Metonic Cycle is 6939.75days

We know Saros Cycle is 6585.35 days

And the difference between both is 354.2 days

Which equals a modified lunar year approximately..

While Metonic Cycle connected to Saros Cycle completely because the Metonic Cycle is The lunar Orbit Cycle and Saroc Cycle is The Eclipse Cycles that made by the Moon itself.. all that say to us, there's great connection between both Cycles..

Because there's a complete year difference between them (regardless the explanation of How that occur!)

And we see this Cycle 2736 Sidereal years needs **a complete sidereal year** to be our phenomenon 2737 …

So Both connected with Great Relation

While the first one depends on the Metonic Cycle that means the second also does.

The Second question about the minus day

39 days we found and the decreasing is 10 days each 684 Sidereal years means after 4 Cycles (2736 Sidereal years) the number 39 will decrease to be -1 day.. means the Metonic Cycle will finish after the last Basic lunar year day with one complete day..

So each 2736 Sidereal years we have -1 day

So this Cycle will continues to be 10 (-10) days and to consume in one Cycle 3736 Sideral Years

Where 27360 Sidereal years = 1440 Metonic Cycles (which we may call astronomy full day where the solar day equals 1440 Minutes).

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A comment on

The Egyptian Astronomic Phenomenon 2737

I'm very surprised that there's no any study dealt "the 2737 Egyptian astronomic phenomenon"!

I see that not logical because the phenomenon tells us there were other people understood perfectly the universe astronomy and they gave us a great gift by building the great three pyramids as a references to such phenomenon, so why the modern astronomy doesn't try to compare our knowledge with theirs through encourage the studies and reports about this 2737 Egyptian astronomic phenomenon.. actually it's illogical to neglect such very great gift we didn't work for, but even got it without any payments or efforts, and its data are available to us to compare our knowledge with ancient knowledge and correct ourselves if it's necessary!!

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AUTHOR CURRICULUM VITAE

Freelance Translator

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LANGUAGES	I provide the following translation • English into Arabic and vice versa • Russian into Arabic • German into Arabic
SERVICES	• Translation, Proofreading, and Editing. • The rate around 3500 words daily
WORK EXPERIENCE	• I have worked as freelance translator since 2003 till now, so I gained a great expertise in different fields. • I achieved special experience in the legal, economic & technical fields, So I provide the perfect translation for the contracts, agreements, memorandums, specifications, laws, decrees, …etc. • I provide the English authenticated translation (acceptable by all courts, official organizations and the foreign embassies)
COMPUTER SKILLS	I am an experienced computer user, I work with MS Office (Word, Excel, etc.), Reader, Adobe Acrobat (full), WinZip, WinRar, etc.
PERSONAL DATA	• Date of Birth : 09/10/1974 – Cairo. • Martial status : Single • Nationality : Egyptian • Religion :Christian

BEST REGARDS

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Фамилия, имя, отчество

Гергес Фрэнсис Тавдрус Гергес

Дата рождения   **09 октября 1974 года**

Предыдущий документ об образовании

Сертификат о полном среднем образовании, 1994 год, Египет

Вступительные испытания   прошел

Поступил(а) в

2010 году в Государственное образовательное учреждение высшего
профессионального образования «Российский университет дружбы народов»
(очная форма)

Завершил(а) обучение в

2012 году в Федеральном государственном бюджетном образовательном
учреждении высшего профессионального образования «Российский
университет дружбы народов» (очная форма)

Нормативный период обучения по очной форме   **4 года**

Направление/специальность   **Физика**

Специализация   не предусмотрена

Курсовые работы:

1. По молекулярной физике, удовлетворительно
2. По информатике, удовлетворительно

Практика:

не проходил

Итоговые государственные экзамены:

не сдавал

Выполнение выпускной квалификационной работы

не выполнял

АКАДЕМИЧЕСКАЯ
СПРАВКА
АВ 3048222

5429/н
(регистрационный номер)
11 сентября 2012
(дата выдачи) года

Ректор

Декан

Секретарь

Продолжение см. на обороте

Документ содержит количество листов: Лист №1

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Российский университет дружбы народов

ЗАЧЁТНАЯ КНИЖКА № 1032104509

Гергес Фрэнсис Тавадрус Гергес
(фамилия, имя, отчество)

Египет
(Гражданство)

Физ.-мат.
(факультет)

НФб+д
(Специальность)

243/Н от 20.10.2010
(№ и дата приказа о зачислении)

Место
печати

(Проректор)

(Декан факультета)

01.11.2010
дата выдачи
зачетной книжки

личная подпись
студента

Все студенты обязаны сдавать экзамены за полный курс каждого пред-
мета, вошедшего в учебные планы, а также сдавать зачеты по практи-
ческим работам после того, как данный курс прослушан студентом пол-
ностью.

Каждому студенту выдается единый студенческий билет и единая
зачетная книжка. В зачетную книжку заносятся все предметы, обяза-
тельные для прохождения, оценки по экзаменам и зачетам.

Оценка в зачетной книжке проставляется лицами, проводившими
экзамены и принимавшими зачеты.

При отчислении студента из Университета или переводе его в
другое учебное заведение зачетная книжка сдается в Отдел учета
студенческих кадров.

На время зимних и летних каникул зачетная книжка сдается в деканат.

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ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ОБРАЗОВАНИЮ

Государственное образовательное учреждение
высшего профессионального образования
"Нижегородский государственный университет
им. Н.И. Лобачевского"

СЕРТИФИКАТ

О ПОДГОТОВКЕ К ПОСТУПЛЕНИЮ В ВУЗ
(ПРЕДВУЗОВСКОЙ ПОДГОТОВКЕ)

Настоящий сертификат выдан в том, что

Гергес Фрэнсис Тавдроус Гергес
(Gerges Francis Tawdrous Gerges)

Гражданство, дата рождения   *Египет, 09.10.74.*

Успешно завершил(а) курс предвузовской подготовки

Документ об образовании, подтверждающий право поступления в высшее учебное заведение:

Сертификат о законченном полном среднем образовании

Поступил(а)

23. 11. 2007 г.

на подготовительное отделение факультета иностранных студентов

Завершил(а) обучение

20. 06. 2008 г.

Профиль предвузовской подготовки:

естественнонаучный

РЕЗУЛЬТАТЫ ПРЕДВУЗОВСКОГО ОБРАЗОВАНИЯ

За время обучения сдал(а) зачеты, промежуточные и итоговые экзамены по следующим дисциплинам:

Наименование дисциплин	Число часов аудиторных/общих занятий	Итоговая отметка
1. Русский язык	580 (870)	хорошо
2. Математика	180 (270)	удовлетворительно
3. Физика	144 (216)	хорошо
4. Химия	90 (136)	хорошо
5. Информатика	64 (96)	хорошо
6. Культура речи	140 (210)	удовлетворительно

Всего: 1198 (1798)

Ректор   Р. Г. Стронгин

ЛИЦЕНЗИЯ Серия А № 268413 от 14 апреля 2008 года
ФЕДЕРАЛЬНАЯ СЛУЖБА ПО НАДЗОРУ В СФЕРЕ ОБРАЗОВАНИЯ И НАУКИ

Рег. № 678   "24" июня 2008 г.

ФАКУЛЬТЕТ ИНОСТРАННЫХ
СТУДЕНТОВ

Копия
верна

г. Нижний Новгород

зам. декана

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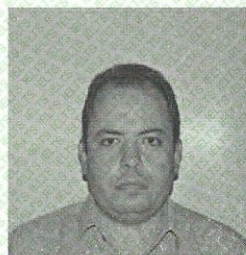
Centre Number	EG001	Date	24/SEP/2016	Candidate Number	005010

Candidate Details

Family Name	GERGES
First Name	GERGES FRANCIS TAWDROUS
Candidate ID	27410090102716

Date of Birth	09/10/1974	Sex (M/F)	M	Scheme Code	Private Candidate

Country or Region of Origin	
Country of Nationality	EGYPT
First Language	ARABIC

Test Results

Listening	5.5	Reading	7.0	Writing	5.0	Speaking	5.5	Overall Band Score	6.0	CEFR Level	B2

Administrator Comments

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Date	04/10/2016	Test Report Form Number	16EG005010GERG001A

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e-mail:sprache@cairo.goethe.org

Teilnahmebescheinigung

Hiermit wird bestätigt, dass

Herr Gerges Francis Tawdrous,

geb. am 09.10.1974 in Kairo/Ägypten,

in der Zeit vom 23.09.2006 bis zum 21.12.2006
am Goethe-Institut Kairo an einem

Deutschkurs der Niveaustufe B2

(Stufe 3 von 4 auf dem Niveau B2 des Gemeinsamen Europäischen Referenzrahmens)

teilgenommen hat.

Das Niveau des Kurses entspricht 600 Stunden Deutschunterricht.

Kairo, den 08.01.2007

Leiterin der Spracharbeit

www.goethe.de/kairo

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The Author Other Papers

I- The Holy Bible Studies

The Tabernacle Geometrical Structure (English)
http://vixra.org/pdf/1701.0344v1.pdf

II- The Physics & Astronomy Studies

" The Solar System Geometry (Part 2)"

http://vixra.org/abs/1703.0178

" The Solar System Geometry (Part I)"
http://vixra.org/abs/1509.0126

The Time And Distance Definitions In The Solar System
http://vixra.org/abs/1509.0241

The Solar Eclipse Geometry Basics
http://vixra.org/abs/1509.0276

The 2737 Egyptian Phenomenon & Its identical distance 2737 millions km
http://vixra.org/abs/1509.0242

The Mars Data Analysis Proves the Rest Mass Concept is Unreal
http://vixra.org/abs/1509.0244

The Solar Eclipse "The Gravitation Theory Puzzle"
http://vixra.org/abs/1509.0264

All Manuscripts
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