

## The Solar System Geometry (Part 2)

By Gerges Francis Twadrous

2nd course student – Physics Department - physics & Math faculty –  
peoples' friendship University – Moscow – Russia  
gfrancis@yandex.ru / gergesfrancis@yandex.ru /+201022532292

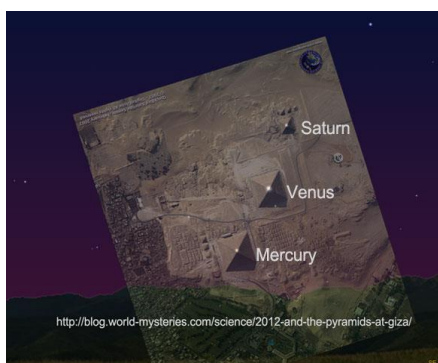
### Abstract

The Solar Planets Group is **One Machine**

This one machine cooperates together to enable the Earth to produce **The Solar Day Time**

Providing the life chance on the Earth..

This paper aims to prove this idea and explains this machine mechanism.



**S. Virgin Mary Assumption into Heaven.**

**Written in Cairo – Egypt**

**10<sup>th</sup> March 2017**

## Planetary Fact Sheet - Metric

	MERCURY	VENUS	EARTH	MOON	MARS	JUPITER	SATURN	URANUS	NEPTUNE	PLUTO
<b>Mass (10<sup>24</sup>kg)</b>	0.330	4.87	5.97	0.073	0.642	1898	568	86.8	102	0.0131
<b>Diameter (km)</b>	4879	12,104	12,756	3475	6792	142,984	120,536	51,118	49,528	2390
<b>Density (kg/m<sup>3</sup>)</b>	5427	5243	5514	3340	3933	1326	687	1271	1638	1830
<b>Gravity (m/s<sup>2</sup>)</b>	3.7	8.9	9.8	1.6	3.7	23.1	9.0	8.7	11.0	0.6
<b>Escape Velocity (km/s)</b>	4.3	10.4	11.2	2.4	5.0	59.5	35.5	21.3	23.5	1.1
<b>Rotation Period (hours)</b>	1407.6	-5832.5	23.9	655.7	24.6	9.9	10.7	-17.2	16.1	-153.3
<b>Length of Day (hours)</b>	4222.6	2802.0	24.0	708.7	24.7	9.9	10.7	17.2	16.1	153.3
<b>Distance from Sun (10<sup>6</sup> km)</b>	57.9	108.2	149.6	0.384*	227.9	778.6	1433.5	2872.5	4495.1	5870.0
<b>Perihelion (10<sup>6</sup> km)</b>	46.0	107.5	147.1	0.363*	206.6	740.5	1352.6	2741.3	4444.5	4435.0
<b>Aphelion (10<sup>6</sup> km)</b>	69.8	108.9	152.1	0.406*	249.2	816.6	1514.5	3003.6	4545.7	7304.3
<b>Orbital Period (days)</b>	88.0	224.7	365.2	27.3	687.0	4331	10,747	30,589	59,800	90,588
<b>Orbital Velocity (km/s)</b>	47.4	35.0	29.8	1.0	24.1	13.1	9.7	6.8	5.4	4.7
<b>Orbital Inclination (degrees)</b>	7.0	3.4	0.0	5.1	1.9	1.3	2.5	0.8	1.8	17.2
<b>Orbital Eccentricity</b>	0.205	0.007	0.017	0.055	0.094	0.049	0.057	0.046	0.011	0.244
<b>Axial Tilt (degrees)</b>	0.01	177.4	23.4	6.7	25.2	3.1	26.7	97.8	28.3	122.5
<b>Mean Temperature (C)</b>	167	464	15	-20	-65	-110	-140	-195	-200	-225
<b>Surface Pressure (bars)</b>	0	92	1	0	0.01	Unknown*	Unknown*	Unknown*	Unknown*	0
<b>Number of Moons</b>	0	0	1	0	2	67	62	27	14	5
<b>Ring System?</b>	No	No	No	No	No	Yes	Yes	Yes	Yes	No
<b>Global Magnetic Field?</b>	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/>

## Contents

Subject	Page No.
Abstract	1
Planetary Fact Sheet - Metric	2
Contents	3
1- Introduction	5
2- Research Method	6
3-The Moon	8
3-1 Moon Diameter And Circumference	9
3-1-1 The Balance Meaning	13
3-2 Moon Orbit	14
3-2-1 The Moon Orbit And Solar Planets Diameters	14
4- The Earth Motion	20
4-1 Earth Daily Rotation	20
4-2 Earth Orbital Velocity	22
4-3 The period 58.4 days!	23
4-4 The Loaded Distances	24
4-5 The Moon Orbit Job	25
5- The Solar Planets Masses and orbital distances	29
5-1 The Solar Planets Masses and orbital distances	29
5-2 The Mass redefinition	32
5-3 The Solar Planets orbital distances and their orbital inclinations	33
5-4 The Earth Orbital Explanation	34
6- The sun	35
6-1 The Sun Circumference	35
6-1-1 Moon Diameter Angle	36
6-2 The Solar Day	37
6-2-1 Two times and two measurements!	38
6-3 The Light Beam	41
7-The Planets orbital distances classification	42
7-1 The Moon Orbit	42
7-2 The Sun diameter	43
7-3 Mars Orbital inclination	44
7-4 Mars Axial tilt	45
8- The Lunar Eclipse Umbra	47
8-1 The Lunar Eclipse	47
8-2 The Equations	48
8-3 The Lunar Umbra Equation Explanation	49
8-4 The Features of Soft Sun	50
8-5 Earth motion is based on the moon and sun diameters angles.	51
8-6 The Sun age	55
9- The Planets parallel in December 2012. (2737 Egyptian phenomenon)	56

**IN THE ALMIGHTY GOD NAME**  
Through the Mother of God mediation  
I do this research

1- Why the Lunar year doesn't correspond with the sidereal year at any cycle?	57
2- The Basic Lunar Year 360 Days	58
3- Does This Phenomenon depends on Metonic Cycle?	59
Appendix No. 1: The Planets Gravities Equation	65
Author Curriculum Vitae And Certificates	67
Other papers for the Author	73

## **1- Introduction**

I define the solar planets as one machine, but what does mean one machine?!

In following some features of this machine

- The Solar Planets are found depending on each other and no one is independent
- All Planets motions cooperate with each other, aim to support the Earth motion to produce **The Same Solar Day Time**. That means all the planets motions and orbital periods are harmonized with each other. the following example may explains this meaning
- **Example/** Mars orbital period is 687 days = 27.3 days (moon orbital period x 25.2 Mars axial tilt) .. that tells us, Mars orbital period is depended on (or at least harmonized with the moon orbital period)... that explains the meaning of the **Planets Orbital Periods Harmony**.
- **There's a balance between the planets.....** for example the planets orbital distances may be balanced and defined based on their Masses, that's a form of many different forms expressing the balance in the solar system (the distance/ mass balance argument will be discussed in point No. 5 of this paper).
- The solar system **can't be studied and realized through the direct observation only**, because there are many hidden relationships between the planets, rather we have to analyze the planets data perfectly to see such relationships.
- Through the planets data analysis we may learn the system geometrical features and conclude the system hidden parts.
- No single data in the solar system found independent, rather all planets data is produced based on the mutual cooperation through the solar group.

Next point will explain the research method,

## 2- Research Method

The next example will help the explanation..

- **108.2 mkm (Venus orbital distance) x 0.384 m km (moon orbital distance = 41.4 mkm<sup>2</sup> (41.4 mkm is Venus- Earth distance) (Eq 2-1)**

### What does this calculation (Equation 2-1) tell us?

- Before all we should note that the Equation result is an area and not distance! So the value 41.4mkm<sup>2</sup> is an area (but between Venus & Earth there's a **distance** = 41.4 mkm)
- The rectangle whose length is 41.4 mkm and its breadth is 1 mkm has the same area = 41.4 mkm<sup>2</sup>.. but what we learn from that?
- We learn that, the distance between Earth & Venus is a rectangle its length equal 41.4 m km which is the distance between Earth and Venus and its breadth = 1 mkm .... And what's useful from this breadth =1 mkm?
- Equation No. 2-1 tells us **Venus maintains the moon inside breadth = 1 mkm around the Earth..**

i.e.

- Venus defines the moon orbit diameter around the Earth to be 1 million km, where this diameter itself is the rectangle breadth, whose length is the distance between Venus and Earth. Where this rectangle itself is defined by Venus/ Earth relationships.
- i.e. the Moon diameter around the Earth is defined through Venus / Earth relationship.
- (I mentioned in all my paper to the moon i.e. **The Earth- Moon**, where I never mentioned in this paper to any other moon).

### Why this explanation is correct?

- Calculation (Equation) No. 2-1 used the planets real data, why should I consider this calculation just pure coincidence?!... if I use the planets real data, I should consider this data express **a real relationship!** And based on that I try to understand this relationship and suggest the most logical geometrical explanation
- Why this explanation is strange for us? Because we consider the gravitational limitations for the planet effects....I find it's better to follow the planets data analysis and later we may discuss what can be acceptable.
- We'll not stop to discuss the concepts, but we'll continue with the solar system geometrical analysis and through the study we'll offer our arguments and new definitions.

Let's see another equation to widen our vision

- **108.2 mkm (Venus orbital distance) x 1.392 mkm (the Sun diameter) = 150.6 mkm<sup>2</sup> (149.6 mkm is the distance between the Sun and Earth) (Eq 2-2)**

**What does tell us this equation (No.2-2)?**

- We know now the result (150.6 mkm<sup>2</sup>) is an area
- The rectangle here has length = 108.2 mkm and breadth = 1.392 mkm, and that means this rectangle starts from the sun diameter and reaches to Venus...
- This tells us the distance rectangle between the Sun and Venus has breadth = the sun diameter...

But because Venus has no moon, the similarity with moon motion is absent

- This equation tells us, If Venus moves along the sun diameter daily with rate 1 Venus diameter, So she needs 115 days to reach the sun diameter end... but because Venus day is 116.8 days... that tells us there's important hidden information in this equation (later we will discuss)
- But for Earth (150.6 almost = 149.6 error less 1%) .... We should see that the breadth for Earth distance to the sun still the same 1 mkm as the same breadth from Earth to Venus (Eq No.2-1), then No "pure coincidence" here! because the different equations tell us the same words!

Let's summarize all that,

- The Sun / Venus distance is a rectangle its length = the distance between them but its breadth = the sun diameter...
- The Earth/ Sun distance is a rectangle its length = the Earth orbital distance and its breadth = 1 million km
- From Eq No. 2-1 we saw, the rectangle between Venus & Earth, its length = 41.4 mkm the distance between Venus and Earth and its Breadth = 1 million km.. i.e. **The Same Breadth In Both Equations** which tells us that rectangle whose breadth = 1 m km connected between the Sun & Earth and Venus together.

actually we need to discuss Equation No. 2-2 in more details later..

### **3-The Moon**

3-1 Moon Diameter And Circumference

3-1-1 The Balance Meaning

3-2 Moon Orbit

3-2-1 The Moon Orbit And Solar Planets Diameters

3-2-2 The Moon orbit inclination



### 3-1 Moon Diameter And Circumference

The moon diameter is a piece of diamond!

The Moon diameter is the proportion constant..

i.e.

There are 2 values got balance to each other (proportion) and the constant of this balance is **the Moon diameter!**

As any simple equation

$F(x) = \text{constant} * f(y)$

This is our beautiful equation....

**The constant is .... The Moon diameter!**

Let's see the equation

$$43000 \text{ km} \times 3475 \text{ km} = 149.425 \text{ mkm}^2 \quad (\text{Eq 3-1})$$

Where

- 43000 km is the moon motion free space (the distance from perigee to apogee )
- 3475 km is the moon diameter
- 149.425 mkm<sup>2</sup> (= 149.425 mkm x 1 mkm) the Earth orbital distance..  
(149.6 mkm is the registered Earth orbital distance)

**What does this beautiful equation tell us?**

This equation gives us one clear feature of the solar geometry!

Simply "fortune"

The Equation tells us, the moon free space (distance from perigee to apogee) balances with the Earth orbital distance..

i.e.

The Moon free spaces (from perigee to apogee) has relation and proportion with the Earth orbital distance..

**The Proportion Constant Is .... The Moon Diameter**

**What does that mean?**

i.e.

**The moon position in the free space (in the distance from perigee to apogee) is changed relating to the Earth position changes in her orbital distance (from Perihelion To Aphelion)**

**(Result No. 1)**

Both distances may be changed related to each other because the proportion constant which is the **Moon Diameter** is fixed and unchangeable...

Still the golden equation No. 3-1 gives us more information..!

The equation tells us

The moon diameter is created because there's some balance between the moon free space (a distance from perigee to apogee) and the sun- Earth distance...

Specifically based on this balance... this specific diameter is created for the moon...

I want to explain the balance meaning in details, but because one equation may cause some doubt around the theory reliability, I need to show that the moon diameter is the balance constant (proportion constant) for many other balances found before the moon birth and the moon diameter is found based on these balances..

So in following table I provide 6 additional equations give us this same meaning which we got from the equation no. 3-1

After this table, we should return to the balance definition explanation

**Table No. 1 - Moon Diameter Relationships**

<b>Table No. 1</b>	<b>Error</b>
<b>1- Moon diameter x Venus orbital inclination = Venus diameter</b>	<b>2.4%</b>
<b>2- Moon diameter x Mars orbital inclination = Mars diameter</b>	<b>2.8%</b>
<b>3- Moon Circumference * Mars Circumference = Mars orbital distance</b>	<b>2.2%</b>
<b>4- Moon diameter x Moon motion free space (perigee to apogee) = Earth orbital distance...</b>	<b>-</b>
<b>5- Moon Circumference x Earth circumference = Sun Circumference * 100</b>	<b>-</b>
<b>6- Earth Diameter = Moon Diameter + Mars Diameter + Pluto Diameter</b>	<b>-</b>
<b>The Remark (-) , means the error is less than 1%</b>	

### **Table No. 1 Discussion**

- No error less than 1% is written
- All data are from Planetary Fact Sheet – Metric (NASA data) found on page No. 2 in this paper with its link.

what we learn from this table?

### **The Moon Diameter Is The Proportion Constant**

It's some how clear, there are many players to define **This Same Moon Diameter**...

For example, Mars orbital distance will be defined by the Mars Circumference proportionally to the Moon Diameter!

Again we shouldn't prevent ourselves from thinking because of the gravitational limitations, we should follow the planets geometry to see where will lead us..

But actually it's not very strange, that Mars Orbital distance is depending on the moon diameter...

For example,

On 3<sup>rd</sup> December 2012 planets Mercury, Venus & Saturn aligned with the Egyptian Pyramids heads perpendicular on the Earth!

As we know this trajectory is almost the moon trajectory, because he rotates around the Earth...

So, this is a clear relation between these 3 planets motions and the moon, making the relation between the moon and mars orbital distance not very strange...

Now let's discuss the balance meaning and Mass creating in following

### **3-1-1 The Balance Meaning**

What does mean the balance?

We saw the balance between the moon motion free space (distance from perigee to apogee) and the Earth orbital distance.. by this balance the moon diameter is defined ...

But is just by these distances balances the moon diameter is created?

Of course Not...

In table No. 1 we saw many other distances balances are defined through this same Moon diameter...

What I want to say, is

**The moon actual diameter is the indication for hundreds of balances which are made before such diameter to be defined and created**

Let's explain that more,

The Moon diameter tells us there are balances always between the planets, and the moon diameter is the indicator for these balances...

i.e.

there are always **relationships or connections between all the planets**, and all these connections passed through the moon diameter ...

#### **Imaginary Description For Explanation**

let's imagine there's a wire or rope connected Venus with Uranus and this rope passed through the moon

when Uranus came near to Venus, no one will see that because he's very far but we will see the moon move toward Venus far from the Earth (apogee)

Also, when Venus moves toward Uranus, we will see just the Moon moves near the Earth! (perigee)

Of course this is just imaginary description

But we can understand from that,

there are relationships between all the solar planets and all these relationships passed through the moon.. because the Earth-moon is the indicator!

(even if there's any other moon in the solar group does a similar role to the Earth-moon, we study here only the Earth-moon to decrease the complexity as possible)

I think the balance meaning becomes clear as possible

Now we need to redefine the mass, to discuss how it's possible to create the mass by such balance...

I have to write the Mass redefinition in point No. 5 "the Solar Planets Masses and orbital distances"

### 3-2 Moon Orbit

The Moon orbit is a cycle of Pure Gold, who can evaluate his value!

#### 3-2-1 The Moon Orbit And Solar Planets Diameters

The following table shows some relationships between the Solar planets diameters and moon orbit different radius...

<b>Table No. 2</b>		
<b>"The Solar Planets Diameters Total Relationship With The Moon Orbit"</b>		
If Earth diameter = 12756 km, is considered to be = $\mathbf{1}$		
i.e. The Earth Circumference which = 40080 km, will be just = $\mathbf{\Pi}$		
<b>So The Following Is Correct</b>		<b>Error</b>
❖ Earth Circumference	= $\mathbf{\Pi}$	-
❖ Solar Inner Planets diameter total	= $\mathbf{\Pi}$	-
❖ Moon motion free space (from perigee to apogee) (the free space without the moon diameter)	= $\mathbf{\Pi}$	1.3%
❖ Moon Perigee orbit radius	= $\mathbf{9 \Pi}$	-
❖ Solar outer planets diameters total	= $\mathbf{9 \Pi}$	-
❖ Moon orbit apogee radius	= $\mathbf{10 \Pi}$	1.2
❖ All solar planets diameters total	= $\mathbf{10 \Pi}$	1
❖ 2 Jupiter diameter + Saturn diameter	= $\mathbf{10 \Pi}$	-
❖ Saturn Circumference = Moon orbit radius at total solar eclipse	= $\mathbf{9.5 \Pi}$	-
❖ Jupiter Circumference	= $\mathbf{11 \Pi}$	1.9
❖ The Sun diameter	= $\mathbf{11 \Pi^2}$	1.2

### **Table No. 2 Discussion**

The previous table data gives us clear vision for a clear geometrical structure....

What we learn from table No. 2?

### **I- The Solar Planets Diameters Totals Define The Moon Orbit Different Radiuses! Why?**

In summary

- The outer planets diameters total = moon orbit radius at perigee
- The inner planets diameters total = the free distance between perigee and apogee
- All solar planets total = the apogee moon orbit radius.

Why the planets diameters total = the moon orbit radius?!

What's the geometrical concept by which the Moon orbit is build by using the planets diameters?!

Let's return to our previous imaginary description

Venus is connected with Uranus by a wire or rope passing through the Moon

When Uranus moves toward Venus no one will see that because he's very far, but we will see the moon move toward Venus far from the Earth (Apogee)

And Vice versa

When Venus moves toward Uranus, we will see only the moon moves to be near to the Earth (perigee)

But we know that, the moon orbit diameter shouldn't be more than 1 million km based on the Equations No. (2-1 and 2-2) which we have studied in the research method (point No. 2)

So This imaginary description tells us the Moon orbit different radiuses may be defined by Uranus & Venus orbital distances!

Because the moon moves from perigee to apogee because of the Venus /Uranus relationships including the distance between them...

(In fact all planets distances cooperate to define the moon orbit different radiuses)

**The idea here**

### **The Planets Orbital Distances Define The Moon Orbit Radiuses** **(result 2)**

### **So Why The Moon Orbit Radius Is Defined By The Planets Diameters?!**

## Because There's

### A Relation Between Each Planet diameter And his Orbital Distance

Next table No. 3 can prove that easily

<b>Table No.</b> 3 "The Planet Diameter Relation With His Orbital Distance"	Error
<b>Planet diameter x another planet diameter= the planet orbital distance</b>	%
❖ Mercury diameter x Venus diameter = <b><u>Mercury</u></b> orbital distance	1.9
❖ Venus diameter x moon diameter = <b><u>Venus</u></b> / Earth distance	1.4
❖ Venus diameter x Earth diameter = <b><u>Earth</u></b> orbital distance	3.1
❖ Venus diameter x Mars diameter = <b><u>Mars</u></b> orbital distance	4.7
❖ Venus diameter x Saturn diameter = <b><u>Saturn</u></b> orbital distance	1.7
❖ Mercury diameter x Jupiter diameter = <b><u>Mercury / Jupiter</u></b> distance	-
❖ (Uranus diameter) <sup>2</sup> = Mars / <b><u>Uranus distance</u></b>	1.1
❖ Saturn radius x Neptune diameter = <b><u>Saturn Neptune distance</u></b>	1.7
❖ Saturn diameter x Neptune diameter = <b><u>Pluto orbital distance</u></b>	1.7
<ul style="list-style-type: none"> <li>• "-" means the error less than 1%</li> <li>• The table perfectly follows the rule</li> <li>• Just because Pluto diameter is small, Neptune helps to define its orbital distance by Saturn diameter, for that the Neptune /Saturn distance had to be defined by Saturn radius.</li> </ul>	



**Table No. 3 Discussion**

The previous table gives us doubtless information  
The planet orbital distance surely is defined based on the planet diameter !  
Let's write this as result

**The Planet Orbital distance is defined based on the Planet diameter  
(Result No. 3)**

Why?  
How we can explain that?

I have no answer for this question yet!

The solar planets and their motions system is complex system as many people may agree..

The complexity, as I think, basically found because, we have wrong vision and wrong concepts which prevent us to see clearly the solar geometry

I believe there are relationships between the planet diameter, orbital distance, orbital period, orbital inclination, axial tilt, day period and speed ....etc

There's an equation include all these factors with many others to form this great solar geometry  
But it's not clear yet..

What we are doing here is ....  
To analyze the planets data, then try to explain the relationships geometrically and logically,

the small pieces and geometrical features which we may find will be integrated together to form the whole solar geometry..  
that's my hope..

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**II- The Moon Orbit different Radiuses are defined By The Solar Planets Diameters total Through The Earth Circumference...  
....Why?**

It's not just simple question!  
It's very deep water!!  
Because, as we have seen in Equation No. 3-2,

**The Moon Motion Through The Distance (From Perigee To Apogee)**

**Is related to**

**The Earth Motion Toward The Sun (from Perihelion to Aphelion)  
(Rewriting of the Result No. 1)**

That tells us the machine is real complex...  
It's not building of static components, which will move after the building process is completed  
But it's a building of motions

**The building unit is a motion!**

That cause the strange complexity!

But what does this result (rewriting of No. 1) tell us?

Let's use the imagination once again!

How the planets diameters form the moon different orbits?

If the planets diameters really built the moon different orbits, that means the moon orbit is the result of their cooperation...

The planets diameter used the Earth circumference as measure for the moon orbit, which was very clear in Table No. 2

Let's clarify our conclusions ....

**The Moon Orbit Building Main Features:**

- 1- The solar planets diameters are cooperated to build the moon orbit different radiuses..
- 2- They used the Earth Circumference as a measure to build the moon orbit
- 3- This process includes the Earth orbital distance building, which becomes relating to the moon motion free space (distance between perigee and apogee)
- 4- **The Moon free space (distance from perigee to apogee) = Earth Circumference**  
(The moon free space distance = 43000 km – 3475 km = 39525 km almost the Earth Circumference = 40080 km error 1.3%)
- 5- **The Moon apogee orbit (radius 406000 km) circumference = the Earth Velocity per day!**
- 6- The Moon orbit building **is a part of the Earth motion** for that the planets support the moon orbit building process to enable the Earth to perform her motion!

by which mechanism they did that?! And why?  
Let's discuss this question with the Earth motion study..

#### **4- The Earth Motion**

##### **4-1 Earth Daily Rotation**

##### **4-2 Earth Orbital Velocity**

##### **4-3 The period 58.4 days!**

##### **4-4 The Loaded Distances**

##### **4-5 The Moon Orbit Job**

##### **4-1 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.

##### **4-1-1 The Moon rotation**

So, 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:

## **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 the apogee orbit (the reason for that will discussed soon)
- 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,
  - o 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 displacement daily 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?!**

## **4-2 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

$$2.58 \text{ mkm / daily} * 58.4 \text{ days} = 150.6 \text{ mkm} \quad (\text{Eq-4-2-1})$$

(149.6 mkm, the registered earth orbital distance)

Why the Earth velocity covers her orbital distance during **this period?**

Let's see ...

### **4-2-1 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.

$$\text{Moon Orbit radius at total solar eclipse} = 58.4 * \text{Earth Circumference} \quad (\text{Eq-4-2-2})$$

What we may learn from these 2 equations No. 4-2-1 & 4-2-2?

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!**

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!!**

**(Result No. 4)**

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

How we can solve this complex puzzle?

The secret word is 58.4 days  
let's see

**4-3 The period 58.4 days!**

Now, we will try to prove the first statement in this paper.

I claimed in this paper that all solar planets support the Earth motion, let's try to prove that,

We will calculate the distances which all the planets moves during this same period 58.4 days and see if these calculations can help the Earth!

<b>Table No. 4</b>	
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**

**Total daily date = 17.6 mkm**

Now I present the following hypothesis....

**1<sup>st</sup> hypothesis:**

**The Planets Load Their Distances On The Earth Motion Through The Moon Orbit...**

i.e. The Earth Motion Distance Daily = 17.6 M Km

**4-4 The Loaded Distances**

the idea here is

"Each planet connects with the moon orbit by his specific way"

this statement will be explained widely with the next sub-point

(4-5 the Moon orbit Job)

Through this connection the planet sends his distance to be loaded on the moon orbit!

As we have seen,

**The daily rate = 17.6 mkm**

This distance daily the moon orbit receives from the planets to load on the Earth motion,

Actually that's why the moon orbit inclination is 5.18 degrees

We may see that easily in the next equation

$$(5.13)^2 \text{ degrees}^2 / 1.5 \text{ degrees} = 17.6 \text{ degrees} \quad (\text{Eq-4-4})$$

Where

- 5.13 degrees : the moon orbit inclination
- 1.5 degrees : the moon inclination to the ecliptic  
(6.7 degrees "moon axial tilt" – 5.13 degrees "lunar orbital inclination")
- 17.6 – degrees the equation result

How 17.6 degrees = 17.6 million km?

we discussed before, the idea is the circle arc length is depend on its angle, by such the angle can be a distance

**4-4-1 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

**4-4-2 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**  
**(Result No. 5)**



#### 4-5 The Moon Orbit Job

##### 4-5-1 The Moon Orbit Connections With The Solar Planets

Next Table shows the connections points between the moon orbit and the solar planets.

**Table No. 5 The Sun And Moon Diameters**

**The Sun Diameter x The Moon Diameter x 2 = 9674400000 km<sup>2</sup> =**

The Equality	Error
<b>The Solar Planets Diameters</b>	
= Mercury Circumference x Moon Orbit diameter 636000 km	-
= Venus diameter x Moon Orbit diameter 800000 km	-
= Earth Diameter x Moon Orbit diameter 756000 km	-
= Uranus Radius x Moon Orbit Radius 378571 km (The moon orbit radius at the total solar Eclipse)	-
= Neptune Radius x Moon Orbit Radius 390663 km	-
= Mars Circumference x Jupiter Circumference	-
= The Sun circumference x Pluto diameter (decreased with 7.25%)!	
<b>The Solar Planets Orbital Distances</b>	
= Earth orbital Circumference x 10	2.5%
= Earth orbital distance x 63.7 the sun declination angle	1.4
= Mars Jupiter distance (550.3 m km) x 17.2 Pluto orbital inclination	2.2
= Saturn orbital distance (1433.5 m km) x 6.75 Moon axial tilt	-
= Uranus orbital distance (2872.5 m km) x 3.4 Venus orbital inclination	-
= Neptune Pluto distance (1375 m km) x 7 Mercury orbital inclination	-
= the Circumference of the distance between Saturn and Neptune	
= Mercury orbital circumference x (5.15) <sup>2</sup> moon orbital inclination	
= Venus orbital distance x 63.7 X (Venus orbital inclination / Saturn orbital inclination)	
<b>IF 1 million km = 1 day So... 9674.4 days =</b>	
= 327.6 days (Lunar year) x 29.53 days (Lunar Month)	
= 354.36 days ( Lunar synodic year ) x 27.3 (sidereal lunar month)	
= 6939.75 days (Metonic Cycle) x 1.392 day (1.392 day is the sun diameter by the same rate 1 m km = 1 day)	

**Note please..**

Moon orbit radius at apogee 406000 km + Earth circumference = Jupiter circumference!

that tells us if we take a rope to measure the Earth circumference adding to it the moon apogee radius (406000)

This distance = Jupiter Circumference, and if this same distance is multiplying by  $\pi$  the result will equal the sun diameter!!

**Table No. 5 Discussion**

Table No. 5 gives us many beautiful features of the solar geometry

Let's see them in following:

- **The Previous data gives us a proof that the moon orbit is built by the solar planets cooperation (through their diameters)**
- **The value 9764.4 mkm is very specific where:**
  - Mercury, Venus and Earth diameters are defined based on **Different Lunar Orbits Diameters**, that tells us the same source gives harmony for all
  - **Uranus & Neptune Radiuses Are Defined Through 2 Different Lunar Orbits Radiuses** (almost both are double of Earth & Venus diameters respectively)
  - This value itself = **the multiplying of both Mars and Jupiter circumferences..!**
  - We remember this value itself composed of multiplying **sun & moon diameters** by 2.
  - All planets diameters are started and established through the value 96744, which tells us all planets have one origin
  - This value also is **The Earth Orbital Circumference** multiplying by 10!
- From this table, we can see easily, how all the planets diameter are found by this number relating to the moon orbit different radius... that's the basic idea and job for the moon orbit... the Moon orbit receives the loaded distances from the planets to load them on the Earth motion, that's his basic job...
- The table also tells us the Earth moon is specific planet (indicator) for the solar group that because he is the connection point between the Earth and the planets ...

- This table (Table No. 5) needs a long discussion, but I need to explain the Moon orbit basic job, for that this table we may explain in full details in another paper...
- We should remember our idea, the planets load their distances on the moon orbit through which these distances are loaded on the Earth motion to be seen as moving by these total distances! For that reason the moon orbit should be connected with the Earth strongly because through this orbit the Earth receives her revenues

But How the moon orbit do this specific job.... Let's see

#### **4-5-2 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 lower radiuses to receive the planets worked motions from each planet connection point in the moon orbit (as we have seen in table No. 5), that's why the moon can't always move with the apogee orbit
- 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.

### **4-5-3 The lunar month**

- The moon orbit feeds the Earth "a quantum of energy" = 71 mkm, (this value origin we should discuss later)
- 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...

Now the question is:

### **What's this quantum energy 71 mkm?!**

to answer we need to study the sun herself,  
There I hope we can find the answer for our hard questions

But before we need to answer one old question, How the Mass is Created by the Balance of the distances?

Let's try to answer

## 5- The Solar Planets Masses and orbital distances

5-1 The Solar Planets Masses and orbital distances

5-2 The Mass redefinition

5-3 The Solar Planets orbital distances and their orbital inclinations

5-4 The Earth Orbital Explanation

### 5-1 The Solar Planets Masses and orbital distances

**Table No. 6 The Solar Planets Masses and orbital distances**

**The Rule Planet Mass/ another planet Mass = a distance**

The planets Masses Rate	The distance	Error
<b>Mars Mass / Pluto Mass = 49</b>	50.3 mkm – the distance between Venus and Mercury	2.5%
Saturn Mass / Venus Mass = 116.6	119.7 mkm Venus Mars distance	2.5
Saturn Mass / Earth Mass = 95.1	91.7 mkm Mercury Earth distance	3.7
All solar planets Masses total / the solar inner planets Masses = 224.3	227.9 mkm Mars orbital distance	1.5
All solar planets Masses total / Venus Mass = 547.5	550.7 mkm Mars Jupiter distance	-
Uranus Mass / Moon Mass = 1190	1190 mkm Mars Saturn distance	1
Jupiter Mass / Maes Mass= 2956	2872.5 Uranus orbital distance	2.8
Neptune Mass / Moon Mass = 1397	1375 m km (Neptune Pluto distance)	1.5
Jupiter / Mercury = 5751	5762 mkm (Venus Pluto distance)	-
Earth Mass / Moon Mass = 81.7	78.3 mkm (Mars Earth distance)	4.4

### **Table No. 6 Discussion**

Table No. 6 tells us the following:

- The planet distance is defined and effected by the planet mass, in addition to many other factors effect to define the planet distance
- **I choose Mars orbital distance to discuss here...** why this distance is defined by the rate between all solar planets total Masses and the inner planets total Masses, for what geometrical reason this rate is found?

To answer this question I have 2 points to write

5-1-1 The solar Planets Couples

5-1-2 Mars Axial Tilt

Let's start

#### **5-1-1 The Solar Planets Couples**

From table No. 5 we learnt that there's some coupling in the solar planets

We saw **Venus very near in data to Earth,**

Also **Jupiter and Saturn**

And at end **Uranus and Neptune**

So these planets form couple with each other

And what about the rest planets...

Moon is just indicator ...

Mercury, Mars and Pluto

They aren't coupled with any other, but they related to each other

For that reason,

The mercury distance is defined by the other two planets

i.e. mercury distance is defined by Mars & Pluto masses... !

### 5-1-2 Mars Axial Tilt

Through Kepler second 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

<b>Table No. 7</b>				
Planet	$P^2$	* 25	= $d^3$	Error
Mercury	$(88)^2$	<b>*25</b>	$(57.9)^3$	0.2%
Venus	$(224.7)^2$	<b>*25</b>	$(108.2)^3$	0.3%
Earth	$(366)^2$	<b>*25</b>	$(149.6)^3$	0
Mars	$(687)^2$	<b>*25</b>	$(227.9)^3$	0.3%
Jupiter	$(4331)^2$	<b>*25</b>	$(778.6)^3$	1.4%
Saturn	$(10474)^2$	<b>*25</b>	$(1433.5)^3$	1%
Uranus	$(30589)^2$	<b>*25</b>	$(2872.5)^3$	1.3%
Neptune	$(59800)^2$	<b>*25</b>	$(4495.1)^3$	1.5%
Pluto	$(90588)^2$	<b>*25</b>	$(5870)^3$	1.4%

A constant Number is used for all the solar planets Kepler equation!!

It's clear prove for the solar plants dependency on each other

This constant No. is the Mars Axial Tilt

That tells us, Mars is a basic member in the solar planets group system and geometry...

Mars isn't common planet as others!!

But very specific effective in the solar Geometry...

Maybe as much as the moon effect...

For that,

Mars orbital distance is defined as rate between the solar planets total masses to the inner masses..

After The Lord help us to see the Solar Real Geometry, we should have explanation for this table No. 7

## **5-2- The Mass Redefinition**

I offer a new definition for the mass:

**The Planet Mass is found by the Planet motion, as his orbital inclination,  
Axial Tilt, orbital period .....etc  
and without this motion the planet mass will be perished**

The situation is clear

I analyze the planets data and try to explain it geometrically,  
I should examine every thing in the way

The cornerstone in my study is the planets real correct data  
(I use NASA planets data sheet, found in page No. 2 of my paper)

The geometrical explanation depends on the logic and up to the judges to  
accept or refuse

The planets data is the crucial proof for or against any concept

So, we should use a wide mind to accept or refuse new concepts  
Seeking to the true geometry of the solar planets system.

If I succeed to define the solar geometry

I have to explain every piece of motion done in this beautiful solar system ...!



**5-3 The Solar Planets orbital distances and their orbital inclinations**

<b>Table No. 8 The Solar Planets distances orbital inclination</b>		
Planet orbital distance x or (/) his orbital inclination = another planet orbital distance (or inner distances)		Error
Mercury 57.9 m km x <b>7 degrees</b> = 406 mkm	415 Ceres orbital distance	2.1 %
Venus 108.2 mkm x <b>3.4 deg.</b> = 368 mkm	Jupiter Ceres distance	1.1
Earth 149.6 mkm x <b>1.5</b> (= 6.7-5.1) = 225 mkm	227.9 mkm Mars Orbital distance	
Mars 227.9 / <b>1.9 his orbital inclination</b> = 119.7	119.7 Mars Venus distance	-
720.7 Jupiter – Mercury distance / <b>1.3</b> = 554.4 mkm	550.7 mkm Jupiter Mars distance	-
1433.5 Saturn / <b>2.5</b> = 573.5 mkm	550.7 mkm Jupiter Mars distance	4.2 %
2872.5 Uranus x <b>0.8</b> = 2298 mkm	2097 mkm Jupiter Uranus	9%
3716 Jupiter Neptune / <b>1.8</b> = 2065 mkm	2097 mkm Jupiter Uranus	1%
57870 Pluto / <b>17.2</b> = 174 mkm	170 mkm Mars Mercury distance	2.5

**Table No. 8 Discussion**

What table No. 8 tells us?

- Geometrically How the distance rate can be an angle? It's not difficult because the arc in a circle = the arc angle multiplying the distance rate. So it's possible to define the planet orbital inclination
- 1 degree should = 1 mkm (supposition)
- The Masses rates may produce distances or degrees, for that reason the Masses rates table may contain both of them because the degrees themselves express distances..
- This table tells us how the geometrical effects transfer from one data to another, because the Masses Rates produced the distances and now the distances rates produced the orbital inclination, surely this description will guide us to see the real Solar Geometry.

#### 5-4 The Earth Orbital Explanation

We remember one equation of table No. 4

$$9674.4 \text{ mkm} = \text{Earth Orbital Distance Circumference} \times \underline{10?} \quad (\text{Eq 3-4-2})$$

I may explain why the value multiplying by 10...

In my definition of the Mass, I claimed that, the Mass is found by its motion  
And without motion, the mass will be perished!

How the mass can be produced by the Motion?!

The secret in the Number 31

$$31 = \Pi^3 \quad (\text{Eq 5-4})$$

What does this equation tell us?

We know  $9.8\text{m/s}^2$  is the Earth gravity

$$9.8 = \Pi^2$$

Equation No. 4-4 tells us to create a cyclic motion for any body you need  $\Pi^3$

**Why?**

Because  $\Pi^2$  will create the Mass (the gravity)

And the rest  $\Pi$  will create the cycle motion

But the Earth circumference is a cycle already and not need to create a cycle

So, he needs just to create the Mass ( $\Pi^2$ ) which = 9.8 (approximately 10 error 2%)

Still the geometry is unclear to complete this explanation...

## 6- The sun

### 6-1 The Sun Circumference

#### 6-1-1 Moon Diameter Angle

### 6-2 The Solar Day

#### 6-2-1 Two times and two measurements!

### 6-3 The Light Beam

### 6-1 The Sun Circumference

The sun circumference = 4.37 mkm

We remember that, the angle can be distance, we explained that by the arc of the circle whose length depend on its angle

And we supposed 1 m km = 1 degree for the solar system

So By the previous rule the Sun Circumference 4.37 mkm, and its angle should be 4.37 degrees

But it's incorrect!

The solar circumference angle is **437 degrees** ! (multiplying \*100 without clear reason!)

Let's see the equation

$$\mathbf{437 \text{ degrees} = 63.7 \text{ degrees} \times 6.8 \text{ the moon axial tilt} \quad (\text{Eq 6-1})}$$

What this equation tells us?

The moon axial tilt defines 6 times of the declination angle 63.7 degrees

And just 0.8 of it for the seventh time i.e.

$$=(6 * 63.7) 382.2 + 57 = \mathbf{439}$$

What we learn from that?

Let's suppose, **the sun moves from angle 57 to 63.7 each year**

That means

**Each 1 degree needs 58.4 days**

**(Result No.6)**

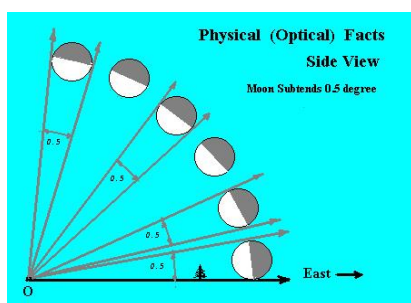
We should remember our important number 58.4 days.. for the Earth motion

To explain how the moon axial tilt effect on the sun angle, we need to wait ...

The interesting data here, that the earth orbital distance covered by 58.4 days of her velocity, and we don't know factors define this velocity

Just here we found some unclear relation between this velocity and the sun declination angle...

### 6-1-1 Moon Diameter Angle



The Moon diameter angle = 0.5 degree  
i.e. 0.5 degree = 3475 km (the moon diameter)  
his whole cycle 360 degrees = 2.5 m km (almost the Earth Velocity per day)!

The sun diameter angle = 0.5 degree  
i.e. 0.5 degree = 1.392 m km (the Sun diameter)  
but should take the value 1.3 m km (and not the Whole diameter)

Now the Whole Cycle 360 degrees will be  
360 degrees x 2 x 1.3 mkm = 936 m km (The Earth Orbit circumference)!

#### Note

The Earth motion daily moves a distance = almost 1 degree of the sun measurement  
And the difference between these 2 measurements caused the year 365.25 days

**The Earth Motion may be caused by the measurements difference!**

**(Result No. 7)**

How that can be possible?

Before to complete this analysis we need to distinguish the small & great measurements from each other...

### **6-2 The Solar Day**

The fact is beyond imagination! Who can imagine it...

$$\begin{aligned} \text{Moon circumference } 10921 \text{ km} * 86400 \text{ seconds} &= \\ &= 943.574 \text{ m km Earth orbital circumference} \quad (\text{Eq- 6-2}) \end{aligned}$$

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 rotate 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)!!

### **6-2-1 Two Times And Two Measurements!**

Clearly, Equation No. 20 tells us, there are 2 different times

**1- The Sun Time**

Which is 86400 seconds, and is clear

**2- The human time**

Which is 86400 seconds, but equals in fact 237 seconds of the solar day!

2 different times in the same solar group!

Also there are two measurements using in the solar planets  
To explain that we need to compare between two tables

Table No. 2

Which measure the planets diameters and moon orbits radiuses by the Earth  
Circumference

And

Table No. 8

Which measure the planets orbital distances by the sun diameter

This important feature tells us,

There are some classification in the solar planets system,

2 different time measurements

2 different distance measurements

(where the moon diameter angle expresses the small measurement and the sun  
diameter angle expresses the Great measurement)

The solar geometry has some classification

Surely we should know why such classification is found

Lets see the tables here to be sure of our conclusions

**Table No. 2 – The Earth Circumference as a small measure**

<b>Table No. 2</b>		
<b>"The Solar Planets Diameters Total Relationship With The Moon Orbit"</b>		
If Earth diameter = 12756 km, is considered to be = <b>1</b>		
i.e. The Earth Circumference which = 40080 km, will be just = $\Pi$		
<b>So The Following Is Correct</b>		<b>Error</b>
❖ Earth Circumference	= $\Pi$	-
❖ Solar Inner Planets diameter total	= $\Pi$	-
❖ Moon motion free space (from perigee to apogee) (the free space without the moon diameter)	= $\Pi$	1.3%
❖ Moon Perigee orbit radius	= $9 \Pi$	-
❖ Solar outer planets diameters total	= $9 \Pi$	-
❖ Moon orbit apogee radius	= $10 \Pi$	1.2
❖ All solar planets diameters total	= $10 \Pi$	1
❖ 2 Jupiter diameter + Saturn diameter	= $10 \Pi$	-
❖ Saturn Circumference = Moon orbit radius at total solar eclipse	= $9.5 \Pi$	-
❖ Jupiter Circumference	= $11 \Pi$	1.9
❖ The Sun diameter	= $11 \Pi^2$	1.2

**Table No. 9- the Planets Orbital distances definition by the Sun Diameter**

<b>Table No. 9</b>		
<b>"The Planets Orbital Distances Definition Through The Sun Diameter"</b>		
Calculation (Equation)	Defined distance	Error
57.9 m km (Mercury orbital distance) x 1.392 m km the Sun diameter = 80.6 m km <sup>2</sup>	78.3 mkm Earth / Mars Distance	2.9%
78.3 m km (Earth / Mars distance) x 1.392 m km the Sun diameter = 108.99 m km <sup>2</sup>	108.2 m km Venus orbital distance	-
108.2 m km (Venus orbital distance) x 1.392 m km the Sun diameter = 105.6 m km <sup>2</sup>	149.6 m km the Earth Orbital distance	-
119.7 m km (Venus Mars distance) x (1.392 m km the Sun diameter) <sup>2</sup> = 232 m km	227.9 mkm Mars Orbital distance	1.8
550.7 m km (Jupiter / Mars distance) x 1.392 m km the Sun diameter = 766.57 m km <sup>2</sup>	778.2 m km Jupiter orbital distance	1.3
720.3 m km (Mercury Jupiter) x (1.392 m km the Sun diameter) <sup>2</sup> =1396 mkm <sup>3</sup>	1433.5 m km Saturn orbital distance	2.6%
2094.3 m km (Jupiter Uranus) x 1.392 m km the Sun diameter = 2915.2 m km <sup>2</sup>	2872.5 m km Uranus orbital distance	1.4%
3061.5 (Neptune – Saturn distance) x 1.392 m km the Sun diameter = 4216.7 mkm <sup>2</sup>	4267.2 m km Mars Neptune distance	
4267.2 m km (Saturn Neptune distance) x 1.392 m km the Sun diameter = 5940	5870 Pluto orbital distance	1.2%
The table tells us all planets orbital distance can be defined through the sun diameter		

Let's ask one more question

From where this number 237 seconds we can get!

$$5832.5 \text{ hours (Venus rotation period)} / 24.6 \text{ hours (mars Rotation period)} = 237$$



### **6-3 The Light Beam**

Now what all that for?

What behind all these amazing geometrical puzzles and surprises....

What behind the darkness!

The light !

It's easy to calculate

The Earth day real time is 237 seconds

The Earth motion daily 2.58 mkm

But the Earth loaded motion daily is 17.6 mkm

By easy calculation we may see the solution

$$(17.4 \times 4) / 237 = 0.299 \text{ mkm} / \text{second} \quad (\text{Eq 6-4})$$

Where

- 17.4 m km : The Earth Loaded motion by all solar planets
- 237 seconds : The Earth Rotation Real Time
- 0.299 m km / sec : The Earth velocity relating to the real time  
(which is the light velocity)

#### **Why This Equation Uses 4?**

Because the Material universe 4 sides (Earth wear north and south), but the light has no direction, so when the velocity of the matter become a light we should multiplying by four (4) because the four sides will be integrating in one. (as I understand)

The previous velocity is the light velocity

### **The Earth loaded motion energy is transferred into light!**

#### **The Light Emerged From The Earth Herself**

The very beautiful Earth

Created by the Almighty Hands

**for THE LORD the glory**

The Sun is The Lord Prize to use through the Earth Motion,

**That explains the relationship between the sun and Earth Axis..**

**Note,.....**  $17.4 \times 4 = 71 \text{ mkm}$

This is the quantum energy distance which the moon orbit load in his month in 27.3 days but the moon himself load it in 29.53 days as we discussed in the Moon orbit job 4-5

To explain The Earth mechanism to produce the light we need to study the lunar eclipse umbra (point No. 8)

But before we need to look at the planets orbital distances classification.

### 7-The Planets orbital distances classification

The planets orbital distances are classified based on 4 factors in the solar group  
Which are

**7-1 The Moon Orbit**

**7-2 The Sun diameter**

**7-3 Mars Orbital inclination**

**7-4 Mars Axial tilt**

Let's see that in following:

### 7-1 Definition Of The Planets Orbital Distances Through The Moon Orbit

<b>Table No. 10</b>	
Definition Of The Planets Orbital Distances Through The Moon Orbit	<b>error</b>
❖ Earth orbital distance x Moon orbit radius 0.384 m km =  <b>Mercury orbital distance</b>	-
❖ Venus orbital distance x Moon orbit radius 0.384 m km =  <b>Earth Venus Distance</b>	-
❖ Venus Mars distance x Moon orbit radius 0.406 m km =  <b>Mercury Venus distance</b>	3.4%
❖ Mars orbital distance x Moon orbit radius 0.404 m km =  <b>Mercury Earth distance</b>	-
❖ Neptune Jupiter distance (3717 m km) x Moon orbit radius 0.384 m km = 1431 m km <b>Saturn orbital distance</b>	-
❖ Saturn orbital distance 1433.5 x Moon orbit radius 0.384 m km = = 550.7 mkm <b>Jupiter Mars distance</b>	-
❖ Neptune orbital distance 4495.1 x Moon orbit radius 0.363 m km = 1631.6 m km <b>Neptune Uranus distance</b>	-
❖ Pluto orbital distance 5870 x Moon orbit radius 0.355 m km = 2083.7 m km <b>Jupiter Uranus distance</b>	-

**7-2-Definition Of The Planets Orbital Distances Through The Sun  
diameter**

Table No. 9

**7-3- Definition Of The Planets Orbital Distances Through Mars Orbital inclination.**

<b>Table No. 11</b>	
Definition Of The Planets Orbital Distances Through Mars orbital inclination	<b>error</b>
1.9 Mars orbital inclination x Mercury orbital distance = Venus orbital distance	1.6%
1.9 Mars orbital inclination x Venus Earth Distance = Earth Mars distance	-
1.9 Mars orbital inclination x Earth Mars distance = Earth orbital distance	-
1.9 Mars orbital inclination x Venus Mars distance = Mars orbital distance	-
1.9 Mars orbital inclination x Mercury Mars distance = Mercury Earth dis.	2.3 %
1.9 Mars orbital inclination x Jupiter orbital distance = Saturn orbital distance	3.1%
1.9 Mars orbital inclination x Saturn orbital distance = Earth Uranus dis.	3.1%
1.9 Mars orbital inclination x Neptune Uranus distance = Saturn Neptune dis.	-
1.9 Mars orbital inclination x Saturn Neptune distance = Pluto orbital dis.	-

**7-4- Definition Of The Planets Orbital Distances Through Mars Orbital inclination.**

<b>Table No. 12</b>	
Definition Of The Planets Orbital Distances Through Mars Axial Tilt	<b>error</b>
25.2 Mars Axial Tilt x Mercury orbital distance = Saturn orbital dis.	1.7%
25.2 Mars Axial Tilt x Mercury Venus dis. (50.3 mkm) = Earth Saturn dis.	-
25.2 Mars Axial Tilt x Venus orbital dis.= 2726.6 mkm (Earth Uranus)	-
25.2 Mars Axial Tilt x Earth Orbital distance = 3770 m km (Neptune Jupiter distance)	1.4%
25.2 Mars Axial Tilt x Mars Venus dis (119.7 ) = 3016.4 (Saturn Neptune distance )	1.5%
25.2 Mars Axial Tilt x Mercury Mars distance 170 mkm = 4284 mkm (Mars Neptune distance)	-
25.2 Mars Axial Tilt x 227.9 Mars orbital distance = 5734 mkm (Earth - Pluto distance)	-

## **The Four Tables discussion**

The 4 tables tells us the following:

- There's only one order for the solar planets group
- The 4 factors are depended on each other for that each of them can classify the planets orbital distances.

The Next equation proves this idea

$$\mathbf{4.37 \text{ m km (the sun circumference) } \times 100 = 25.2 \text{ (Mars Axial Tilt) } \times 17.4 \text{ m km (the Earth Loaded distance daily)}}$$

**(Eq 7-1)**

But we know

$$\mathbf{25.2 \text{ (Mars Axial Tilt) } = 1.9 \text{ (Mars Orbital inclination) } \times 13.18 \text{ degrees the moon motion degrees daily}}$$

The previous equation tells us the four factors are related to each other for that the solar planets are classified to each of them which lead to the solar planets same classification based on the different factor..

Still the geometrical meaning and explanation for this ordering or classification is far.

Let's try see deeply How the Earth produce the light in the lunar Umbra, That may gives us more clear picture for the sun position...

### **Note:**

The values

10 , 100, and 1000

Is the cycle rotation products...

For example

$$\mathbf{1000 = 318 \pi}$$

Now  $\pi$  is a cycle

That means

The Value 0.815 can transferred to 81.5 through a cycle

While we see only a body moves in a cycle... this cycle produces such values

That's why we may see the value 0.815 (for example Venus Mass/ Earth Mass) and the value 81.5 (Earth Mass/ Moon Mass) is created by a cycle (the Moon Cycle 27.3) and think all that just "**numerology pure coincidences**"

## 8- The Lunar Eclipse Umbra

### 8-1 The Lunar Eclipse

### 8-2 The Equations

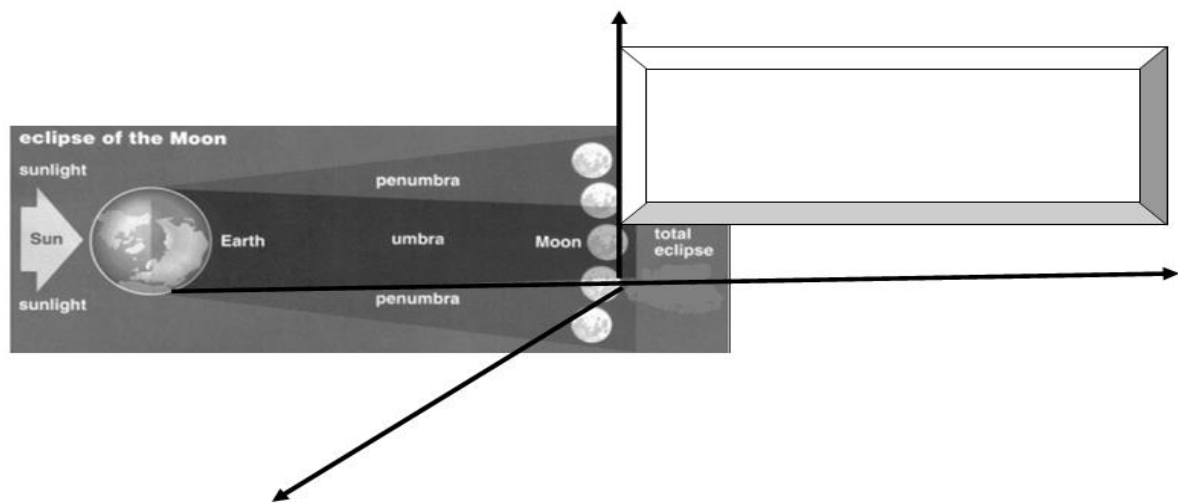
### 8-3 The Lunar Umbra Equation Explanation

### 8-4 The Features of Soft Sun

### 8-5 Earth motion is based on the moon and sun diameters angles.

### 8-6 The Sun age

### 8-1 The Lunar Eclipse



The previous figure may help our explanation  
The cuboid has 3 dimensions

- The width is : the Moon diameter
- The length is : the Moon orbit radius + 1.392 Million km = 1.784 m km
- The Height : is 1 Million km

The Cuboid should be completely above x- axis but I put it higher to make the moon be seen..

The three coordinates as usual

The horizontal is : x -axis

The vertical is :y- axis

And the there is :z- axis

We know the Lunar Eclipse Umbra length = 1.392 m km

And the Moon orbit radius = 0.384 m km

So the rest (the distance after the moon toward X-axis to the Cuboid end) =  
= 1.016 m km

Let's start...

## 8-2 The Equations

### 8-2-1 The Earth Motion Equation

**The Sun circumference (4.37 mkm) x the length (1.784 mkm) x the circumference of the Moon orbit at radius 0.34 mkm (which = 2.41 mkm) = 17.6 m km<sup>3</sup> (Eq 8-2-1)**

17.6 m km is the Earth loaded motion daily...  
But what means km<sup>3</sup>! that still need analysis...  
Any way that tells us

These three factors together are related to the Earth Loaded velocity which produces the light beams...

### 8-2-2 The Lunar Eclipse Umbra Equation

**The Lunar Eclipse Umbra Area x The Moon Orbit Radius = The Moon Diameter x The Sun Diameter x 10<sup>6</sup> (Eq 8-2-2)**

Where

- The lunar eclipse umbra area = 9000 km x 1392000 km = 12528 m km<sup>2</sup>
- Moon orbit radius 0.384 m km

Note please, both sides of the equation gives us a volume (3 dimensions)



### **8-3 The Lunar Umbra Equation Explanation**

I followed the equation completely to build the Cuboid

The resulted side of the equation has 3 parts

- The moon diameter
- The sun diameter
- And  $10^6$  km

3 dimensions...

I build my Cuboid based on **These Three Dimensions**

- I consider the Moon diameter is the cuboid width
- The cuboid length = the sun diameter 1.392 m km
- And the height is the factor  $10^6$  mkm

**This Cuboid is the source of the sun!**

and the directions can show the sun to us

- The Umbra Length is perpendicular on the Moon motion direction, for that reason I consider
  - o X-axis is the moon motion direction
  - o Y-axis is the umbra length
  - o Z – axis is the soft sun (the light produced by the Earth)

So the Sun, is found between the Earth and Moon!

(accurately , the Sun is found under both of them)

That because the Sun Circumference is 4.37 mkm

So, it's obligation to suppose, that

The Sun is under the Earth and The Moon

The Earth locates on the Center so the radius will be 0.696 m km

But the moon orbit radius at apogee is 0.406 m km

And the limitation made by Venus for the moon orbit radius is 0.5 mkm

#### **Note Please**

The Sun which is under the Earth and the moon is a soft sun made of light produced by the Earth motion. the light build a diameter under the Earth =1.392 m km,

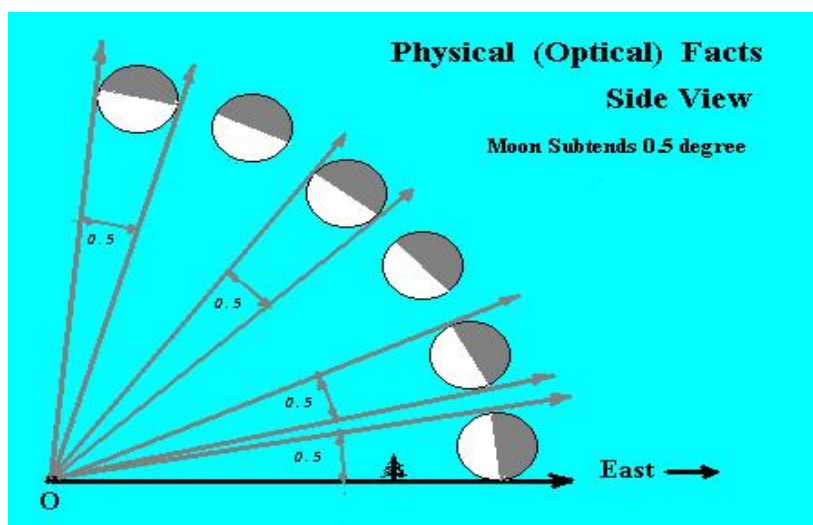
Let's explain that clearly

#### **8-4 The Features of Soft Sun**

But 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 30 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, but with help of another outer source
- Without the light produced by the Earth Motion, i.e. with 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 Soft Sun Is Found Through The Equation (8-2), and because the moon is a factor in this Equation, that causes the soft sun take his shape and form, that's why the sun is effected by the moon data as we have seen
- The Hot Sun in the sky is (the reflected Image) for the Soft Sun, even spite of the help f the outer source, the hot sun still effected by the moon shape, form and data..
- It's hard to explain who the image can be a real matter, but that needs to explain How the Matter is produced by the light, in my study the Solar System Geometry (Part I), I explained How the Matter is 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 study " the Solar System Geometry (Part I)" link  
<http://vixra.org/abs/1509.0126>
- I found many strange conclusions we reached by following the planets data equations, but because **There's No Any Equations Against Our Conclusions We May Be Brave To Continue...**

## 8-5 Earth motion is based on the moon and sun diameters angles.



### 8-5-1 The Moon Diameter Rays 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?

If 0.5 degree is expression for 3475 km (the moon diameter)

What about the whole Cycle 360 degrees.. ?

It expresses about 2.502 m km !

But we know the Earth velocity per day is 2.58 m km !

So

**The Whole cycle of the moon diameter angle almost expresses the Earth daily Motion (error 2.3%)**

**Result No. 8**

### 8-5-2 The Sun Diameter Rays Angle Also Is 0.5 Degree

It's the same idea, the angle between the 2 sun rays touches the sun diameter both sides = 0.5 degree

So

If 0.5 degree is expression for 1392000 km (the sun diameter)

What about the Whole Cycle 360 degrees

But before to account the whole Cycle, I need to refer to the following

**- The sun diameter should be decreased with rate 7.25% to be 1300000km**

The geometrical reason we should discuss at the end of this discussion

Any way the Sun diameter becomes 1300000 km

So, now we may start

0.5 degree is expression for 1300000 km

What about the whole Cycle

360 degrees is expression for 936 million km  
936 m km is the Earth orbital circumference!!  
i.e. the 1 degree of the sun diameter seeing is very near to 1 degree of the Earth  
Motion around the Sun...

## **The Whole cycle of the Sun diameter angle almost expresses the Earth orbital circumference**

**Result No. 9**

How we can understand that?!

- The Moon diameter whole Cycle causes the Earth velocity daily
- And
- The sun diameter whole cycle causes the Earth orbital circumference

**That means,  
The Earth Motion is found as a balance form for these both measurements of degrees!**

### **8-5-3 The Earth Cycle 365.25**

One whole Cycle of the moon diameter degrees = less than 1 degree of the Sun diameter degrees!  
Because the moon diameter whole Cycle = 2.502 m km and 1 degree of the sun diameter = 2.6 m km

What that means?  
The Earth daily motion is 2.56 mkm  
So, the Earth Cycle is found based on both

$2.56 \text{ m km} / 2.6 \text{ mkm} = 0.984$  degrees which is the Earth daily degrees, that causes the Earth Cycle to be 365.25 days is place of 360 days...!

What I want to say is  
**The Earth Cycle yearly is started because of this difference rate between the Moon & sun diameters degrees...**

Now we can see How the light effects easily the Matter behavior..

It tells us, the mere eyesight can effect on what we see, because the difference in degrees between the moon & sun diameters is found based on our vision on the Earth!

This fact is found and we need to explain! Even geometrically!  
But How that really happened?

It's easy

- The Moon diameter angle whole Cycle causes the Moon orbit rotation 360 degrees daily with the Earth Motion... i.e. the Earth Motion is done basically because the Moon orbit rotation which is motivated by the moon diameter rays angle!
- The Earth rotation daily causes motion for distance equal (approximately) 1 degree of the sun diameter rays angle...!

#### **8-5-4 The Earth Axis**

Let's ask how many degrees all this discussion about!

The moon diameter whole Cycle is 360 degrees, can cause motion of the Earth equal (360/365.25) degrees

So what's the total degree here

360 degrees x 365.25 (360 degrees) = **131490 degrees<sup>2</sup>**

$$131490 \text{ degrees}^2 = 237 \times (23.55)^2$$

**We know 237 seconds is our day period**

**23.55 is the Earth Axis**

what does that tell us?

Both degrees Cycle are loaded on the Earth Axis,

Both of them

The Moon diameter Cycle

And

The Sun Diameter Cycle

For that reason the Earth is doing her motion...

But if we consider the value

$$(360)^2 = 129600 \text{ degrees}^2$$

$$129600 = (70.7)^2 \times (5.09)^2$$

This previous equation tells us very important information...

**70.7 m km** : Almost equal 71 m km the Earth quantum distance daily

Which is the loaded distance is done by the Earth to produce the light beams..

**Squared** : The distance which the light travel from the Earth to the Sun equals the distance of traveling from the sun to the Earth... for that reason the distance is squared

**(5.09)<sup>2</sup>** : is the moon orbital inclination, and the value is squared because in the moon motion there are 2 motions, the moon orbit motion with the Earth and the moon motion against his orbit motion both of them use the same orbit i.e. the moon orbit inclination is used double time.

## **8-6 The Sun age**

6.16 mkm<sup>2</sup> is the sun area..

$$6.16 = 1.778 \text{ m km} \times 3.466 \times 10^6 = 1.778 \times 346.6 \times 10^4$$

1.784 m km : (The moon orbit 0.384 mkm + the sun diameter 1.3921 mkm)

346.6 days : the Nodal year

That's the sun age because the sun is started from the lunar umbra length as we studied...

$$346.6 \times 10^4 \text{ days} = 9489.4 \text{ sidereal years}$$

Already passed of them 8211 years (3/12/2012)

## 9- The Planets parallel in December 2012 ( I called: The Egyptian Astronomic Phenomenon 2737)

### 1- Introduction

On 3<sup>rd</sup> 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 3<sup>rd</sup> 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.

PLANETARY ALIGNMENT WITH THE GIZA PYRAMIDS,  
IT ONLY HAPPENS ONCE IN 2,737 YEARS



#### 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 3<sup>rd</sup> 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)



## 1<sup>ST</sup> SECTION

### Why the Lunar year doesn't correspond with the sidereal year at any cycle?<sup>1</sup>

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<sup>2</sup>

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

---

<sup>1</sup> - the day defines here approximately 86164 seconds where the sidereal year is 365.25 days.

<sup>2</sup> - Total Solar Eclipses and how to Observe them- Martin Mobberley- page. 11

## 2<sup>ND</sup> 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

### 3<sup>RD</sup> 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 = <b>39 L. Y + 66.408 d</b>	38 BLY+ 199.5 d
M. Cycle 3	57 S. Y	19	58 L. Y + 276.703 d	57 BLY+ 299.25d
<b>M. Cycle 4</b>	<b>76 S. Y</b>	20	77 L. Y +486.998 d = 78 L. Y +132.8162 d	<b>76 BLY+399d = 77 BLY+39 days</b>
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= <b>137 L. Y +55.3374d</b>	134BLY+ 338.25d
M. Cycle 8	152 S. Y	19	156 L. Y +265.6324d	153 BLY+438d= <b>154 BLY+78days</b>
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= <b>235 L. Y +44.267d</b>	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= <b>333 L. Y + 33.1966d</b>	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 <b>431 L. Y +22.12626d</b>	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

**IN THE ALMIGHTY GOD NAME**  
Through the Mother of God mediation

I do this research

M. Cycle 26	494 S. Y	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= <b>529 L. Y +11.0558d</b>	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	<b>626 L. Y + 354.1872=627 L. Y</b>	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= <b>666 L. Y + 66.3936d</b>	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= <b>764 L. Y + 55.3224d</b>	751BLY+289.5d
M. Cycle 40	760 S. Y	19	783 L.Y + 265.6174d=	<b>770BLY+389d= 771 BLY +29 days</b>

**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 4<sup>th</sup> Metonic Cycle which equals 76 Sidereal years (that similar to the Sidereal Year, 3 years equals 365 days and the 4<sup>th</sup> year is 366 days).....
- 2- but after 4<sup>th</sup> 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

- following cycles this number increases regularly by addition 39 days each 76 Sidereal years. (so after more 76 years we find at the 8<sup>th</sup> Metonic Cycle 154 Basic Lunar Year + 78 days.... And that continues)
- 3- But at Metonic Cycle No. 40<sup>th</sup> 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 4<sup>th</sup> 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

### **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 Saros 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).

**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!!



**Appendix No. 1**

**The Planets Gravities Equation**

**The Planets Gravity=**  
**= (Earth Diameter/ Planet Diameter)<sup>2</sup>\* (Planet Mass / Earth Mass)\***  
**Earth Gravity**

**THE PLANETS GRAVITIES TABLE**

Planet	Equation	Resulted	Registered	Error
<b>The Sun</b>	(Earth/Sun diameters rate) <sup>2</sup> (Sun Mass/ Earth Mass)* earth gravity = (1/109) <sup>2</sup> * 333000*9.8= 274	<b>274</b>	<b>274</b>	<b>0</b>
Moon	(3.66) <sup>2</sup> x (0.073 / 5.97) x 9.8	1.6 m/sec <sup>2</sup>	1.6 m/sec <sup>2</sup>	0
Mercury	(2.61) <sup>2</sup> x (0.23/5.97) x 9.8	3.7 m/sec <sup>2</sup>	3.7 m/sec <sup>2</sup>	0
Venus	(1.0538) <sup>2</sup> x 4.87 /5.97) x 9.8	8.9 m/sec <sup>2</sup>	8.9 m/sec <sup>2</sup>	0
Earth	9.8	9.8	9.8	0
Mars	(1.878) <sup>2</sup> x (0.642 / 5.97) x 9.8	3.7 m/sec <sup>2</sup>	3.7 m/sec <sup>2</sup>	0
Jupiter	(0.0892) <sup>2</sup> x (1898 / 5.97) x 9.8	24.7 m/sec <sup>2</sup>	23.1 m/sec <sup>2</sup>	6.9%
Saturn	(0.10582) <sup>2</sup> x (568/5.97) x 9.8	10.44 m/sec <sup>2</sup>	9 m/sec <sup>2</sup>	16%
Neptune	(0.2575) <sup>2</sup> x (102/ 5.97) x 9.8	11.1 m/sec <sup>2</sup>	11 m/sec <sup>2</sup>	0.9%
Pluto	(6.97) <sup>2</sup> (0.0131 / 5.97) x 9.8	1.04 m/sec <sup>2</sup>	1.1 m/sec <sup>2</sup>	5.4%

**Note** 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 Planets Gravities Table Comments

- A- Why the gravity equation is working? **If Each Planet Mass is independent**, why such equation can be valid?! This equation tells us **The Mass isn't independent**, because of that the rates between the sizes & masses of one Planet can effect to define other Planets gravities.
- B- This equation proves easily there's a dependency between the Planets Masses with each other, i.e. the Planets Masses aren't independent.
- C- **The Sun Herself follows this same gravity equation and that's a great reference proving that the Mass is Not Independent**, but the Mass is produced by the Planet Motion.
- D- Through this equation we may explain why the Saturn has such small gravity less even than the earth gravity, spite of his mass around 95 folds the earth mass, where the reason is the Earth/Saturn circumferences rate, now because this number is (0.0892) and even we need the squared value which equal (0.00795664) this number, that caused the Saturn gravity to decrease so much... **and that support the idea the Mass isn't independent.**

**AUTHOR CURRICULUM VITAE**

***Freelance Translator***

**CONTACTS**

- Name : **Gerges Francis Tawdrous**
- Mobil : +201062723434 / +201022532292
- Telephone : +222550186
- E-mail : [gfrancis@yandex.ru](mailto:gfrancis@yandex.ru)
- [mrwaheid1@yahoo.com](mailto:mrwaheid1@yahoo.com)
- Address : 11 Mohmed Rageb St – El Materiya – Cairo – Egypt

**EDUCATION**

**(All Certificates  
Are Attached)**

- **Moscow -Russia** –Peoples Friendship University  
Of Russia –Since 2009 Till 2013 –Faculty Of Science.
- **Nizhniy Novgorod –Russia**- The Russian Language  
Training Course 2007- 2008.
- **Goethe institute - Cairo** – 2001 to 2007
- **Ain Shams University - Cairo**- Bachelor Degree Of  
Commerce -2000

**LANGUAGES**

I provide the following translation

- English into Arabic and vice versa
- Russian into Arabic
- German into Arabic
- Translation, Proofreading, and Editing.
- The rate around 3500 words daily

**SERVICES**

**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***



Фамилия, имя, отчество

**Гергес Франсис 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**

Продолжение см. на обороте

г. Москва

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**ЗАЧЕТНАЯ КНИЖКА № 1032104509**



**Гергес Франсис Тавдарус Гергес**

(фамилия, имя, отчество)

**Египет**

(Гражданство)

**Физ.-мат.**

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**НФ6+Д**

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Through the Mother of God mediation  
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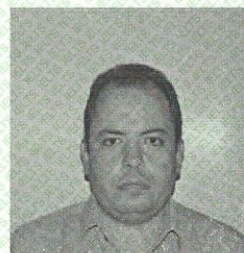
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## Teilnahmebescheinigung

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





## Other Papers For The Author

### **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 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**

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**The Solar Eclipse "The Gravitation Theory Puzzle"**

<http://vixra.org/abs/1509.0264>

**All Manuscripts**

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