

**Mercury Day = 3 Mercury rotation periods = 2 Mercury orbital periods, Why?  
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**Abstract**

Mercury Day = 4222.6 hours, Mercury rotation period = 1407.6 hours and Mercury orbital period = 88 days

I claim the following:

- These three cycles are related to each other
- These three cycles depend on Jupiter Uranus distance (2095 mkm)
- Please remember that, Earth moon Metonic Cycle also depends on Jupiter Uranus distance which makes these 4 cycles are related to each other

By proving the previous claim I try to support my basic claim in all my papers that:

**The Solar Group is one machine or one body, each planet should be considered as a gear in this machine or as a member in this body.**

i.e.

**No Planet Motion is Found Independent From Other Planets Motions**

**The Assumption Of S. Virgin Mary  
Written in Cairo – Egypt  
25<sup>th</sup> August 2018**



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I do this research

### Planetary Fact Sheet - Metric

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

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

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## **Introduction**

Let's remember one old question

Is there a connection between Earth rotation period 23.9 hours and Earth orbital period 365.25 days? ...yes..... the momentum... (pv)

What does that mean? What's the momentum?

If we know Mercury momentum, does that explain why Mercury day period = 2 Mercury orbital periods approximately?

### **Why Mercury Day = 3 Mercury rotation periods =2 Mercury orbital periods?**

To see much better let's provide some more questions..

Why the planet has 3 cycles? Do these cycles depend on each other? what equation controls these 3 cycles relationship? What's the Cycle? What's the time?

I try to explain my idea as clear as possible

The current description of the solar group is incorrect, we should abandon it finally

Because the solar group current description binds and prevents us to understand the planet motion full details and prevents us from any deep thinking

Where the current description provides imaginary pictures and classical concepts about the planet motion which prevent us to see the motion details

### **Let's summarize my description about the solar group:**

- The solar group is one machine or one body, Each planet should be considered as one member in this body.
- The Planet Matter and orbital distance are created together from the same energy
  - o  $E=mc^2$  tells us the matter (mass) is Energy
  - o The distance is Energy (my hypothesis)
- That means, the solar group is created from one energy, which guarantees the motions harmony.
- This description tells us that, Each planet motion effects on other planets motions, that's why the 3 cycles are depending on each other
- That means the solar group is similar to a necklace or one line of energy extend from the sun to Pluto in one line only (the energy real trajectory is more complex)

### **Why we should abandon the solar group current description?**

Because

- The Solar group geometrical rules are beyond our Geometry and physics books, that means we need new Geometry to understand the solar group clearly as possible. And from where we'll learn this new geometry? From the solar group herself.... if we can reach the solar group correct description, that may help us to conclude the geometrical rules which are used in the solar system...

Let's provide an Example for better explanation

- Saturn orbital distance = 1433.5 million km

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- Let's suppose that there's a period = 1433.5 days, now let's see the planet motions during this same period in following

<b>Table No.1</b>	error
-1433.5 days x Mercury velocity daily 4.095 mkm = 5870 mkm Pluto Orbital Distance	0
-1433.5 days x Venus velocity daily 3.02 mkm = 4329 mkm Venus Neptune Distance	0
-1433.5 days x Earth velocity daily 2.58 mkm = 3699 mkm Jupiter Neptune Distance	0
-1433.5 days x Mars velocity daily 2.082 mkm = 2984.5 mkm Uranus Pluto Distance	0
-1433.5 days x Jupiter velocity daily 1.1318 mkm = 1622.4 mkm Uranus Neptune Distance	0
-1433.5 days x Saturn velocity daily 0.838 mkm = 1201 mkm Mars Saturn Distance	0.3%
-1433.5 days x Uranus velocity daily 0.5875 mkm = 842 mkm	
-1433.5 days x Neptune velocity daily 0.4665 mkm = 670 mkm Venus Jupiter Distance	0
-1433.5 days x Pluto velocity daily 0.406 mkm = 582 mkm Mercury Earth distance*2π	1%

In fact all solar planets move real distances in this period 1433.5 days except Uranus (real distance means a distance between 2 planets)

How to explain the previous data? what are our choices?

These values are found only by Pure coincidences...! As usual!

That's what I'm trying to say ...the solar group is very complex machine and many new geochemical concepts and rules we can conclude from its study

But we can't

Because the solar group current description prevents us by his absolute clear rules...

***The space is space and can't behave as time in any case!***

And what about the previous table ...let's suppose that, the time and distance values become equivalent with high velocity (near light velocity), that may solve this question....!

I want to say that, the new geometrical rules are found before our eyes and we can't understand or conclude them because of our loyalty toward classical concepts lived from hundreds of years although provide no answers for thousands of questions..

For example ***how can we imagine to find relativistic effects in the solar group?*** But the solar planets data supports this claim... **the data should be considered as pure coincidences** ....our loyalty has no end!

***The gravity between the sun and the planet is the main force controls the solar planets motions and define their orbital distances to the sun***

But, can we see this great idea in the solar planets order? Why Jupiter is not in Mercury position to be the nearest planet to the sun? because the initial points? And why the gravitation equation is correct if there's no proof for it?

***Mars motion has no relationship to the Earth or the moon motions because of the distances between them***

- 687 days (Mars orbital period) = 365.25 days (Earth orbital period) x 1.9 (Mars orbital inclination)

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- 687 days (Mars orbital period) = 27.3 days (the Moon orbital period) x 25.2 (Mars axial tilt)

The previous data is found because there's harmony in the motions between Mars, Earth and the Moon

And also with Jupiter . . . . See the following data..

- 687 days (Mars orbital period) x  $2\pi$  = 4318.28 days (4331 days Jupiter orbital distance – error 0.3%)

previous example tells that there's a relationship between Mars and Jupiter orbital periods...

***Venus can't effect on the Earth moon because of the distance between them!*** ....The moon in fact belongs to Venus (even his orbit regresses as Venus axial tilt)

There's no progress we can perform in the solar group understanding without leaving out the current description and adoption my alternative one, after that we may discover the new geometrical rules which control the solar group system, to see clearly as possible the planet motion and effect.

**Note Please**

In point No. 5 of this Paper I provide my alternative description for the solar group

But for revision the theory of Matter Creation please see

Solar Group Geometrical Structure

<http://vixra.org/abs/1805.0081>

The Time definition

<http://vixra.org/abs/1805.0523>

## 2- Research Methodology

Let's summarize the methodology in following

- I analyze the real solar planets data to understand their origins and motions
- I use NASA Planetary Fact Sheet – Metric found in page no.2 with its link
- I provide all available questions, discussion and puzzled data trying to understand the solar planets motions.
- My suggested hypothesis and ideas can be acceptable only if they found support from the solar planets data and motions

I think the idea is clear, we may remember Pythagoras right triangle, the numbers 3,4 and 5 are Not just numbers, they show the geometrical rule  $3^2+4^2= 5^2$

I follow this same idea, I analyze the planets data to conclude the geometrical rules behind

### Example No.1 "Mars Puzzle"

If we use Kepler 3<sup>rd</sup> Law for the solar group data, we will find the following table

$$P^2 * 25 = d^3 \text{ (Kepler 3}^{\text{rd}} \text{ Law)}$$

- P : The Planet orbital period
- d : The Planet orbital distance
- **25.2: Mars Axial Tilt**

The results are shown in the following table

<b>Table No.1</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%

### Discussion:

The previous table I used many time in my papers, I have no explanation why Mars Axial Tilt is the constant in Kepler 3<sup>rd</sup> Law..

Some people told me I use wrong units to reach this result! I use million km for distance and day for periods.. why these are wrong units?!

### **For Mars full discussion please read**

Solar Planets Order disproves the Gravity Theory <http://vixra.org/abs/1801.0114>

### **Discussion**

- I try to explain my approach by each possible way,
- Some people consider such data as (Pure coincidences) and I provided this table as an example for thousands of data should be ignored because of this deceiver claim
- Now If I can persuade the scientific community that, these relationships are found based on geometrical reasons and not by "Pure coincidences", that mean we have new source for knowledge and we should add **The Planet Data Analysis Method** to the experiment and observation as physics science basic research methods..

### 3- Mercury Day

#### 3-1 Mercury Day origin

##### I- Data

1-  $2 \times 6939.75$  seconds =  $\pi^2 \times 1405.2$  seconds (1407.6 hours = Mercury rotation period)

2- 1407.6 hours  $\times 3$  = 4222.6 hours (Mercury Day)

3- 122.5 Pluto axial tilt /41 inner planets orbital inclinations total = 3

4- 4222.6 seconds  $\times 1.16$  mkm (light velocity –supposed) = 4900 mkm

##### II-Discussion

##### Equation No. 1

**$2 \times 6939.75$  seconds =  $\pi^2 \times 1405.2$  seconds (1407.6 hours = Mercury rotation period)**

Let's remember one information here

2095 mkm (Jupiter Uranus distance) = 0.3 mkm/sec (light velocity)  $\times 6939.75$  seconds

i.e.

the light passes from Jupiter to Uranus in 6939.75 seconds with light known velocity 0.3mkm/sec

but why we need  $2 \times 6939.75$  seconds

because in the complete revolution around the sun, the distance 2095 mkm is found two times along the orbital diameter which passes through the sun.

now the left side is understood, what about the right side

$\pi^2 \times 1405.2$  seconds

$\pi^2 = 9.877$  but we know that Earth gravity = 9.8 which is very near to the value  $\pi^2$

Let's suppose that the value is 1407.6 hours!

What conclusion we can reach here?

The seconds of light velocity will be transferred into hours of Matter motion if the light is transferred into Matter..!

What does that mean?

Theory of Matter Creation tells us that, the Matter is bright fringes and the distance is dark fringes, that means, the matter is created from the light (from the energy)

Also that means the light is still connected with the matter after matter creation because the matter is made of light coherence

What does that mean?

The planet motion contains 2 motions at least, the light motion from which the planet is created and the planet motion

So the seconds of light motion will be hours of matter motion

That means

The matter production from the light causes difference in the rate of time between the light and the produced matter

##### **The conclusion**

The light motion seconds will be hours when the light is transferred into matter.

i.e.

the matter production from the light coherence necessitates to change the rate of time

### **Equations No.2 and 3**

2-  $1407.6 \text{ hours} \times 3 = 4222.6 \text{ hours (Mercury Day)}$

3-  $122.5 \text{ Pluto axial tilt} / 41 \text{ inner planets orbital inclinations total} = 3$

The previous equation tells us that, there's a box of gears in the solar group

This idea is clear from Equation No.3

The box of gears works to change the motion velocity...

Equation no.3 tells us the rate is 3 ... what does that mean?

If a cycle of 1 day entered this box of gears, it will produce a cycle of 3 days

That's

Mercury rotation period 1407.6 hours will produce Mercury Day 4222.6 hours

This idea is clear from Equation No.2

But Equation No.3 tells us the Gears box is real (we will study this box of gears in point no.4 of this paper, also in this study we'll discuss why Equation No. 3 uses Pluto axial tilt 122.5 degrees)

### **Please Note**

$$3 = \frac{4222.6 \text{ hours (Mercury Day)}}{1407.6 \text{ hours (Mercury Rotation Period)}} = \frac{149.6 \text{ mkm (Earth orbital distance)}}{50.3 \text{ mkm (Mercury Venus distance)}} = \frac{360 \text{ mkm (Mercury orbital circum)}}{120 \text{ mkm (Venus Mars distance)}}$$

$$3 = \frac{2820 \text{ mkm (Mercury Uranus Distance)}}{940 \text{ mkm (Earth Orbital Circumference)}} = \frac{4900 \text{ mkm (Jupiter orbital circumference)}}{1622.7 \text{ mkm (Neptune Pluto distance)}} = \frac{9010 \text{ mkm (Strun orbital circumfer)}}{2997.5 \text{ mkm (Uranus Pluto distance)}}$$

The previous data tries to prove that the rate 3 is a basic rate in the solar group which supports that this rate is produced by the Solar Group Box of Gears

**Also the previous analysis tells us that Mercury Day depends on Mercury rotation period**

### **Equation No.4**

$4222.6 \text{ seconds} \times 1.16 \text{ mkm (light velocity –supposed)} = 4900 \text{ mkm}$

What does tell us this Equation? What we have learnt?

The seconds of light motion will be hours of matter motion....

Ok what about the hours of matter motion? can they be changed into seconds of light motion?..... Yes

So Mercury day 4222.6 hours will be 4222.6 seconds for light beam

Light velocity at Mercury = 1.16 mkm /sec (this information we have discussed before and will be discussed in more details in point no.6 –Mercury Jupiter relationship)

What's the result

$4222.6 \text{ seconds} \times 1.16 \text{ mkm} / \text{sec (light velocity)} = 4900 \text{ million km (Jupiter orbital circumference)}$

We discuss the relationship between Mercury and Jupiter in point No. 6 of this paper

### **3-2 Mercury Orbital Period**

I- Data

5-  $4222.6 = 2 \times 2111.3$  hours

6-  $278.8 = 3.4 \times 2 \times 41$

7-  $2111.3 + 0.7 = 2112$  hours = 88 days

### **II- Discussion**

I claim that Mercury orbital period 88 days depends on Mercury day 175.94 days

Let's see that..

Approximately Mercury orbital period 88 days = 1/2 Mercury day 175.94 days

Equation No. 5 tells that

$4222.6$  hours =  $2 \times 2111.3$  hours

From where this 1/2 is produced?

From the Box of Gears... in point No. 4 we should study this box with every possible details

But here let's take a look on Equation No. 6

$278.8 = 3.4 \times 2 \times 41$

- ❖ 278.8 degrees = Outer planets axial tilts total
- ❖ 3.4 degrees = Venus orbital inclination
- ❖ 41 degrees = Solar planets orbital inclinations total

What does Equation No.6 tells us? It tells...

Because of the solar group Box of Gears, Mercury orbital period = 1/2 Mercury day period

But the result still isn't clear

Equation no.7

2111.3 hours doesn't equal 2112 hours = 88 days we need 0.7 hours

7 Mercury orbital inclination  $\times$  (0.8 Uranus orbital inclination / 8 degrees) = 0.7

(The value 8 degrees will be discussed in point no.7)

The previous data tells us that, **Mercury orbital period also depend on Mercury rotation period.**

### 3-3 Metonic Cycle

I- Data

$$8- 6939.75 \text{ days} = 58.66 \text{ days} \times 118.3 \text{ degrees}$$

$$9- 6939.75 \text{ days} = 175.94 \times 39.44$$

$$a- 39.44 = 7^2 \times 0.8$$

$$b- 39.44 = 22 \times 1.8$$

$$10- 243 \text{ days (Venus rotation period)} = 58.66 \text{ days (Mercury rotation period)} \times (\pi+1)$$

### II- Discussion

I have suggested in many papers that, Metonic Cycle 6939.75 days depends on this period 6939.75 seconds (the light passes from Jupiter to Uranus during 6939.75 seconds by light known velocity 0.3 million km/ sec)

The idea can be summarized in following:

The light passes from Jupiter to Uranus in 6939.75 seconds where the light energy is stored in this period of time 6939.75 seconds

This energy is transported to the Moon motion to be seen in Metonic Cycle

The Energy transportation process is done through Mercury Rotation Period.

Now the question is how 1 second of (6939.75 seconds) can be 1 day in (6939.75 days) that's what we discuss in this sub-point.

### Equation No. 8

$$6939.75 \text{ days} = 58.66 \text{ days} \times 118.3 \text{ degrees}$$

$$6939.75 \text{ days} = \text{Metonic Cycle Period}$$

$$58.66 \text{ days} = \text{Mercury rotation period}$$

$$118.3 \text{ degrees} = \text{Neptune axial tilt at vertical axis where } 118.3 \text{ degrees} = 28.3 + 90$$

(note please/ 28.3 degrees is Neptune known axial tilt)

Why the Equation uses Neptune axial tilt?

Neptune reflected the Energy toward the inner planets and from Neptune Energy the inner solar planets built their orbital circumferences..

To see more details about that please review

Solar Group Geometrical Structure

<http://vixra.org/abs/1805.0081>

let's recall the solar group description...

the solar group is one body, each planet is a member in this body...

that's why the Equation uses Neptune axial tilt because Neptune role is to reflect Jupiter Energy toward the solar inner planets to enable them to build their orbital circumferences..

this seen gives us more explanation why Neptune is different from Uranus.... Because Neptune does a job for the inner solar planets which is different from Uranus Job and by such we can distinguish their roles...

I hope to explain this idea clear as possible

Not each planet is similar to the other, so it's not usual to find one rule controls all of them because each of them has different job, these all jobs are complementary to produce one general task, as any creature body has hands, legs....etc we should know what's the final general task and what are the different jobs, after we will conclude each planets structure which should be suitable for his job.... I wish the reader sees the gab between the vision which I provide here and the current vision about the solar group...

**Equation No.9**

**6939.75 days = 175.94 x 39.44**

a-  $39.44 = 7^2 (\text{Mercury orbital inclination})^2 \times 0.8 (\text{Uranus orbital inclination})$

b-  $39.44 = 22 \times 1.8 (\text{Neptune Orbital Inclination})$

Equation No.9 tells us that

Mercury day period is relating to Metonic Cycle

I can't conclude the mechanism by which this relationship is found but the data supports us clearly...

**The conclusion**

The Moon Metonic Cycle depends on the Light passes from Jupiter to Uranus, this light beam energy is transported to the Moon through Mercury cycles periods...

But this fact needs more research to see the real mechanism...

Only Equation no. 10 may give us more clear vision for this fact

**Equation No. 10**

**243 days (Venus rotation period) = 58.66 days (Mercury rotation period) x (Π+1)**

$(\Pi+1) \times 1 \text{ mkm/day} = \text{Mercury velocity daily if Mercury orbital circumference} = 364 \text{ mkm}$

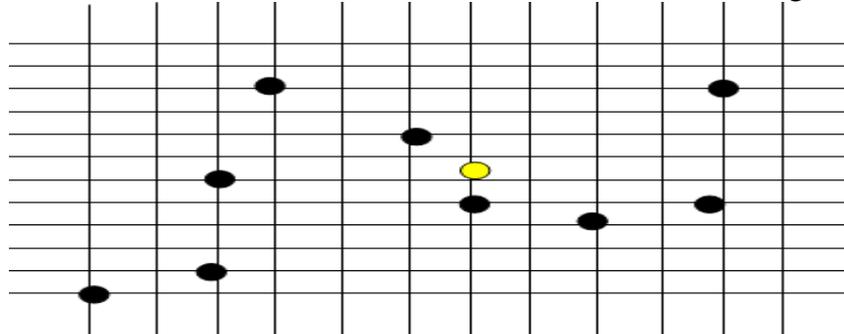
What does the previous equation tell us?

Mercury moves by this velocity 4.14 mkm/day a distance = 243 mkm during his rotation period...!

What does that mean?

243 million km is a distance moved by Mercury daily, but we see this is as 243 days (Venus rotation period)!! How and why than can be happening?

Because the solar is one machine or one network as shown in the next figure



(Figure No.1) The yellow circle is the sun, and the others are the solar planets  
The lines are Energy lines (distances)

I wish we see the reason through the previous figure... the solar group is one network and the planet is a point in it. It's usual to find some point effects on another points in this network... for that reason it's logical to find Mercury daily motion to be seen as Venus rotation period... that also explains how the Moon Metonic Cycle depends on Jupiter Uranus distance...

I see my description is somehow difficult to be imagined with all these interactions between its points, but we can understand that easily if we know that all things in the solar group is created from Energy... that means from one energy all the solar group is created... as in any creature body, all the body members live by the creature same blood, so the blood moves from point to another point and builds new point and many treat some injuries in this same body.

### III-More Data

177.4 mkm = 58.66 days (Mercury rotation period) x 3.02 mkm/ day (Venus daily motion)

177.4 degrees = Venus axial tilt

But we know from Mercury Circumference that 1 degree = 1 mkm

So the previous equation tells us that, Venus Axial Tilt is produced by this motion!

### Note Please

Mercury day 175.94 days x 2 = 351.88 days (we know that the moon years = 354.36 days where 29.53 syndic month – 27.3 sidereal month = 2.5 days which is needed to make 351.88 days be = 354.36 days, which supports that the moon motions is related to Mercury Motion)

### IV- More Data

- 58.66 days (Mercury rotation period) x 5.1 (moon orbital inclination) = 299.2mkm (Earth orbital diameter)
- 58.66 days (Mercury rotation period) x  $7^2$  (Mercury orbital inclination)<sup>2</sup> = 2872.5 mkm (Uranus Orbital Distance)
- 58.66 days (Mercury rotation period) x 97.8 degrees (Uranus axial tilt) = 5720 mkm (Earth Pluto distance)
- 58.66 days (Mercury rotation period) x 23.4 degrees (Earth axial tilt) = 1375 mkm (Neptune Pluto Distance)
- 58.66 days (Mercury rotation period) x 26.7 degrees (Saturn axial tilt) = 1557.2 mkm (Jupiter orbital diameter)
- 58.66 days (Mercury rotation period) x 2.5 degrees (Saturn orbital inclination) = 146.65 mkm (Earth orbital distance) (error 2%)

- 58.66 = 2 x 29.33

- (29.37/29.53) = (361/359)

29.53 days is the moon synodic month

29.37 mkm = 97.8 seconds x 0.3 mkm/ second and the this Equation is discussed in Metonic Cycle chapter ... please review

84 Minutes are Required for Mercury Day

<http://vixra.org/abs/1807.0412>

(29.37/29.53) = (361/359)

361 is degrees and 359 degrees

The Equation tells us the box of gears causes Mercury day degrees = 719.76 degrees to be divided into 2 parts 361 degrees and 359 degrees where the first 361 degrees is dedicated for Venus and the other for the Earth.

Also please review

Mercury Jupiter Distance (revised)

<https://www.academia.edu/s/d1932dcee5/mercury-jupiter-distance-revised>

or

<https://www.slideshare.net/Gergesfrancis/mercury-jupiter-distance-revised>

#### **4- The Box of Gears**

##### **I- Data**

1-  $17.2 \text{ degrees Pluto axial tilt} / 17.4 \text{ inner planets orbital inclinations total} = 0.99$

2-  $23.4 \text{ Earth axial tilt} / 23.6 \text{ outer planets orbital inclinations total} = 0.99$

3-  $232.7 \text{ degrees (inner planets axial tilts total)}$   
 $= 17.4 \text{ (inner planets orbital inclinations total)} \times 13.39$   
 $= 122.5 \text{ Pluto axial tilt} \times 1.9 \text{ Mars orbital inclination}$

4-  $278.4 \text{ degrees (outer planets axial tilts)}$   
 $= 23.6 \text{ degrees (outer planets orbital inclinations total)} \times 11.8 \text{ (5.1 moon orbital inclination} + 6.7 \text{ moon axial tilt)}$

##### **II-Discussion**

The previous data tells us clear information as following:

- The inner planets orbital inclinations total are related to Pluto orbital inclination this idea we can conclude easily from the Equation No.1
- The outer planets orbital inclinations total are related to Earth axial tilt. this idea we can conclude easily from the Equation No.2  
(that explains why Pluto axial tilt is used in Equation No.3 of point 3-1- page 4)  
( $122.5 \text{ Pluto axial tilt} / 41 \text{ inner planets orbital inclinations total} = 3$ )

Shortly the solar planets orbital inclinations and axial tilts are related to each other and create the box of Gears

Pluto is the head of inner planets but Earth is the head of the outer planets

These 2 planets are connected to each other to make the whole group is one

For that reason

- I-  $940 \text{ mkm (Earth orbital circumference)} \times 2\pi = 5870 \text{ mkm (Pluto orbital distance)}$   
(error less than 1%)
- II-  $1461 \text{ days (Earth 4 sidereal years)} \times 2\pi^3 = 90582 \text{ days but } 90588 \text{ days} = \text{Pluto orbital period}$

I try to show that Earth and Pluto are connected together to make the solar group one machine

##### **III- More Data**

$232.7 \text{ degrees (inner axial tilts total)} = 122.5 \text{ degrees (Pluto axial tilt)} \times 1.9 \text{ mars axial tilt}$

$1.8 \text{ (Neptune orbital inclination)} = 3.1 \text{ (Jupiter axial tilt)} - 1.3 \text{ (Jupiter orbital inclination)}$

$1.8 \text{ (Neptune orbital inclination)} = 25.2 \text{ (Mars axial tilt)} - 23.4 \text{ (Earth Axial Tilt)}$

## 5- An Alternative Solar Group Description

In this point I discuss why the Solar Group Current Description is insufficient, and provide my alternative one

Let's perform this task in next 2 points.

1<sup>st</sup> / Why The Current Description is Insufficient?

2<sup>nd</sup> / The Alternative Description

### *1<sup>st</sup> / Why The Current Description is Insufficient?*

The current theories tell us that, the solar planet moves by gravity forces between his and the sun masses, where the planet defines his orbital distance according to this gravity forces... So the solar group current description shows the solar planets as separated points meet each other only through the sun.

Also the main effective relationship is the sun-planet relationship where the planet-planet relationship is very weak because of the sun massive Mass..

The solar planets, according to the current description, are created from a star was following the sun, later exploded and from his material the solar planets are created by gravity (means the solar planets matters are created by random and there is no any relationship between the planets diameters)

### **The Current Description Problems**

- 1- No one knows How the matter is created? the star story gives us nothing about the matter, simply we don't know how the matter is created? or why the mass produces the gravity?
- 2- The gravity which is the main force in this description still puzzle till now! No one knows the gravity mechanism or if it needs time to work!
- 3- **The main problem** in this description is **the Planet Data Inconsistency**, where the description tells us that Mercury Orbital Distance = 57.9 mkm because of the gravity between his and the sun masses. But the description tells us no explanation why Mercury Diameter = 4879 km or why his orbital inclination = 7 degrees...we can see easily that the description **uses some of the planet data** and ignores simply the other data and by such way the solar planet data become inconsistent...
- 4- This problem produces worse result. Where there's no explanation for the planet ignored data, each relationship is found with this data will be considered only as pure coincidence!

The main question still needs answer... **How the matter is created?**

Again let's provide our old puzzle one more time here ...

**Why we see the sun disc = the moon disc? Because (the Sun diameter /the moon diameter) = (Earth Orbital Distance/ Earth Moon Distance)? Why The Diameters Rate =The Distances Rate?** no answer for this question because no one knows How the matter is created?

The matter creation was and will be our main difficulty to see the truth. The matter is the player in every point around us, she does the motion and tells us there's a physical law behind.. the Matter is The Knowledge Messenger...

## 2<sup>nd</sup> / The Alternative Description

My suggested Description provides the answer for the main question "How the Matter is created ...let's write that at immediately here...

What's the Matter (Mass)?	The Mass is an Energy	( $E=mc^2$ )
What's the distance?	The Distance is an Energy	(hypothesis)

i.e.

From The Same Energy The Matters (Masses) And Distances Are Created

### *The Description Summary*

One Energy is transported from one point to another point through the solar group, this same energy creates the planets matters (masses) and causes the motion transportation from planet to another through the group. In this transportation of Energy the relativistic effects are found because the energy has different velocities in her motions through the group Based on these relativistic effects, different rates of times are created and based on these different rates of time the solar group can accumulate the energy in different points to create a huge energy from the low one.

Let's summarize the description main points in following:

- 1- General Description
- 2- Main Relationship
- 3- Motion Transportation
- 4- Relativistic And Non-Relativistic motions
- 5- Distance And Time Values Equivalence
- 6- How the Distance And Time Values can be equivalent?
- 7- Energy Accumulation Concept (Why time and distance values are equivalent?)

Let's provide a brief statement about each point in following:

#### **1- General Description**

- One Energy travels from one point to another point through the solar group, in her travel this unified Energy creates the planet matter and the distance from planet to another planet.
- for Example, the Energy comes from the sun toward Mercury, so she builds firstly Mercury orbital distance and then will build Mercury Planet Mass. Then this same Energy will move toward Venus to build the distance between Mercury and Venus and then will build Venus Planet Mass....etc (Note/ this example is for explanation only, because the Energy real trajectory is more complex)
- This description makes the planet-planet relationship is strong as much as the sun-planet relationship.
- Let's summarize the idea in a sentence "**One Unified Energy builds the Distance and Mass of all solar planets**"
- This description makes the solar group similar to one line of Energy (a necklace)
- Also this description makes the solar group similar to a great river has many canals, each canal creates a soil on her banks. The river water here is similar to the Energy, she creates everything and have different forms, so the canals and their soils are created from the river water ... that's the same description the matter and distance are

created from the same energy even if the matter is not similar to the distance but both of them are created from the same source...

## 2- Main Relationship

- The problem becomes clear now, because the Energy is transported in different forms as mass, distance or time values.. how can we see the main geometrical pillars of the solar group where there thousands of relationships are found? What relationship is the main one?
- The main relationship is the relationship which connects many planets. For Example Mars Axial Tilt 25.2 degrees works as the constant in Kepler 3<sup>rd</sup> law (this table is found in this paper methodology)... from this table we see that the constant 25 = Mars Axial Tilt, this tells us that, this Value 25 effects on all solar planets.. even if we don't know why or how but this value (25.2 Mars Axial Tilt) is one of the main solar geometrical structure Values.
- **The Description Main advantage** is the integration and cooperation between the solar planets... which makes the solar group as one machine, that means the value 25.2 will be Mars axial tilt in any place we find it. In more clear The sun Diameter = Venus Diameter x 115.2 (this value 115.2 is Mars Axial Tilt uses its vertical value i.e.  $115.2 = 25.2 + 90$ ) ...means the sun diameter is defined based on Venus diameter with help from Mars Axial tilt.

## 3- Motion Transportation

- Similar to the transported motion from one gear to another, the motion is transported from one planet to another and through the motion transportation the energy is transported also from point to another through the solar group...
- We should pay attention to the motion transportation sequence ..... Because it's not necessary to transport the motion by the current solar planets sequence .... There are 2 reasons for that
- **1<sup>st</sup> Reason** – The planets positions from the sun may change through the history – as I suggested before that Mars immigrated from his original point at 84 mkm to the sun to dwell in his new point in 227.9 mkm to the sun, that also causes Pluto Immigration please review - Mars Immigration Proves (Revised) <http://vixra.org/abs/1807.0268> And also - Pluto was "The Mercury Moon" <http://vixra.org/abs/1807.0331>
- **2<sup>nd</sup> - Reason** – the planets positions relative to each other... where I claimed that some planets suffer from Relativistic effects but other don't... that may cause more disturbance for the motion transportation sequence....
- Can we discover the motion transportation real sequence? Yes ... because the Energy is transported from point to another through the solar group and we can follow this Energy trajectory to see clearly the motion transportation sequence.

#### 4- Relativistic and Non-Relativistic Motions

##### The Description Main Hypothesis

- "There's a physical point in the solar group moves with light velocity relative to another physical point in the solar group"
- This high velocity motion causes relativistic effects on the planets orbital distances and periods
- Because the solar group is one machine or one integrated system, these relativistic effects can be observed in different points in the solar group...
- We can't observe this high velocity motion but we can observe and record the relativistic effects
- So my work is to rewrite the solar planets data in a form shows the relativistic effects, where the planets data consistency will be a crucial proof for my claim.
- If we can perform this task and **prove that there are relativistic effects** in the solar group, that will make the solar group another source to study the Special Theory of relativity by which we can test and develop the theory basics and concepts.

Please review

The Sun Data shows Relativistic Effects (revised)

<http://vixra.org/abs/1806.0209>

Earth Motion Produces the Moon Orbit

<http://vixra.org/abs/1806.0137>

#### 5- Distance And Time Values Equivalence

The Special Theory of Relativity tells us that

If a particle (energy) moves with  $c$  velocity the following relativistic effects may be observed:

- 1st- Time Dilation
- 2nd- Length Contraction
- 3rd- Mass Increasing
- 4th- **Time And Distance Values become equivalent...**

Point No. 4<sup>th</sup> is my conclusion I got by the solar planets data analysis, and this is my suggested contribution in the Special Theory of Relativity

Let's Provide an example to explain how I reach to this conclusion...

- 25920 years is the Cycle of Precession.

But

- Light moves during the solar day 86400 seconds a distance = 25920 million km

Also

- Solar Planets velocities total 17.6 mkm/ daily x 1461 days (Earth 4-years Cycle) = 25920 mkm

As we see in the previous relationships... the value 25920 are seen 2 times one in time units and the other in distance units.... The same value are seen in different units...

Because this situation is repeated frequently with different data I found it's necessary to find a logical explanation for that..

So I suggested that, **The Distance And Time Values Become Equivalent With High Velocity As Relativistic Effect** ... I conclude that basically because not all distance and time values can be equivalent but only a great part of them which can't be pure coincidences ... so I searched for specific reason behind and suggested this one..

- Let's see another example for more explanation
  - o Jupiter Orbital Period 4331 days = Mars Orbital Period 687 days  $\times 2\pi$  ... this equation tells us that these orbital periods are energy transported from one point to another, as the motion transportation from one gear to another.... The time values here are equivalent to distance values, (as the factor  $2\pi$  tells us) but these values become time values because of the relativistic effects in the solar group....now we can see that, this equation has a physical reason behind and not pure coincidence...

(Review Table No.1 for equivalent time and distance values in this paper introduction)  
I want to explain that, the time and distance values equivalence is one of the main Pillars in the solar system geometrical structure, so this isn't limited case in the solar group rather an extending case ...

- Let's see one more example for better explanation

$$2 \times 86400 \text{ mkm} = 60 \times 2872.5 \text{ mkm (Uranus Orbital Distance)}$$

The previous Equation has very specific importance in the solar group

Let's remember its components

- **The value  $2 \times 86400 \text{ mkm}$**  is the solar group main energy, this value we have discussed in details with Jupiter Energy in my previous paper "Solar Group Geometrical Structure" <http://vixra.org/abs/1805.0081>
- **$2872.5 \text{ mkm}$  Uranus orbital Distance** is very important distance in the solar group because Uranus is the main player in the sun creation process, we have discussed that before in "The Time definition" <http://vixra.org/abs/1805.0523>
- **The value 60:** is a famous rate in the solar group, and it's found basically because 1hour = 60 minutes and 1 minute = 60 seconds.... Means this rate is found between the distances because these same distances work as units of time in different cases that's why this rate 60 is required

## 6- How the Distance And Time Values can be equivalent?

The Distance And Time Values are equivalent! What does that mean?

What distance is equivalent to what time?

Let's write here the general conclusion of this argument only ...

### **The General Conclusion**

- The solar system uses a unified distance, say 1 million km, for different times rates!  
i.e.
  - There's a cycle in which  $1 \text{ mkm} = 1 \text{ second}$
  - There's another cycle in which  $1 \text{ mkm} = 1 \text{ minute}$
  - There's another cycle in which  $1 \text{ mkm} = 1 \text{ hour}$

## IN THE ALMIGHTY GOD NAME

Through the Mother of God mediation

I do this research

- There's another cycle in which 1 mkm = 1 day
- There's another cycle in which 1 mkm = 1 week
- There's another cycle in which 1 mkm = 1 month
- There's another cycle in which 1 mkm = 1 year
- There's another cycle in which 1 mkm = 1 Earth Cycle (1461 days)
- That means the same distance works for many Cycle periods... why?

### **The solar system uses the unified distances to create different rates of time**

What does that mean?

The distance also has different rates! Yes the time has day, minute and seconds...etc

But the distance has km and thousand km and million km and .....etc

So, how to understand this conclusion?

### **Yes the distance has different rates but no cycle makes this rate to be known**

### **The time different rates have cycles in the solar group to make these rates are shown**

That's why the humanity knew all time rates.... year, month, week, day, minute, seconds

These values are standard for the universe regardless the people knowledge

But for distance, people uses km, miles, cubes ....etc

### **Solar Group Geometrical Design**

The previous conclusion is interesting, the time periods are clear for people but distances aren't that because the universe geometry explains the time different values and rates..

Interesting idea.... But what's the useful result from it?

Why the time different rates and values are seen but the distances aren't?

Because the distances are unified but the time values are specific and shown by cycles

So, the 1 million km which we used in previous data is the same

But with different rates of time..! Now let's ask

why the solar geometry does that?! .....Because

### **The Energy accumulation process depends on different rates of time**

For more details please review

The Time definition <http://vixra.org/abs/1805.0523>

### **7- Energy Accumulation Concept (Why time and distance values are equivalent?)**

By the different rates of time Earth motion can produce the Sun Energy i.e.

### **What the Earth moved along complete year, the sun can uses for one day only**

so we can see how the energy is accumulated

let's summarize all that in clear idea

#### **-The main Idea Summary**

- Based on the solar group relativistic motions, time values can be seen as distances values
- The solar geometry uses unified distances to create different values of time, which are seen by different cycles
- The time different values depend on each other to create different rates of time
- By this different rates of time the Energy can be accumulated to produce huge energy from average one.
- Based on this description, the solar planets motions produce the sun light beams

## **The Solar Group Main Task Is To Produce The Sun**

Please See also

Solar Group Geometrical Structure <http://vixra.org/abs/1805.0081>

Gerges Francis Tawadrous/

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## **6- Mercury Jupiter Relationship**

### **I- Data**

a-  $4222.6 \text{ seconds} \times 1.16 \text{ mkm} / \text{sec}$  (light velocity) = 4900 million km (Jupiter orbital circumference)

b-  $4879 \text{ km}$  (Mercury diameter)  $\times 1 \text{ mkm} = 4879 \text{ mkm}$  (Jupiter orbital circumference)

c-  $1 \text{ million km} / 7 \text{ degrees}$  mercury orbital inclination = 142984 km (Jupiter diameter)

d- Mercury moves during his day period 175.94 days a distance = 720.7 mkm = Mercury Jupiter distance

f-  $4331 \text{ days}$  (Jupiter orbital period) =  $88$  (mercury orbital period)  $\times 7^2$  (mercury orbital inclination)<sup>2</sup>

g-  $7 \text{ degrees}$  mercury orbital inclination =  $3.1 \text{ degrees}$  (Jupiter axial tilt)  $\times 2 + 0.8 \text{ degrees}$  (Uranus orbital inclination)

h-  $50 \text{ second} \times 1.16 \text{ mkm} / \text{sec}$  (supposed light velocity) = 57.9 mkm (mercury orbital distance) (where I supposed the light velocity at Jupiter = 1.16 mkm/sec)

i-  $5040 \text{ seconds} \times 8 = 40320 \text{ seconds}$  (where  $40320 \text{ seconds} \times 29.8 \text{ km/sec}$  Earth velocity = 1.2 mkm... this value we have discussed also in the same paper )

j-  $629 \times 1.16 = 729$

$670 \times 1.16 = 778.6$

### **II- Discussion**

In my theory of matter creation we have discussed the relationship between Jupiter and Mercury, let's review this idea here again

- Jupiter sends his energy in light beam form his velocity = 1.16 mkm/sec toward Pluto
- Jupiter Energy needs 2 days of work ( $E = 1.16 \times 86400 \text{ seconds} \times 2$ )
- This Energy builds Neptune orbital circumference by using 16% of this Energy where the rest will be reflected toward the inner planets in 2 equal parts each part = 86400 mkm
- One part sent to Venus and Earth together and the other Part is sent to mercury alone
- Mercury Energy part passes from Jupiter

Please review the whole story with the theory of matter creation in my paper

Solar Group Geometrical Structure

<http://vixra.org/abs/1805.0081>

This story tells us that, there's a specific relationship between Mercury and Jupiter

So the previous equations supports this same meaning

In fact I need to refer to one important idea

The matter is created by coherence of light, this is my hypothesis in theory of matter creation

A coherence is done between 2 light beams, from which the solar group is created

The coherence is done inside the sun position and the coherence angle =  $1/7$

Where the cohered light beams are Jupiter energy

And the angle  $1/7 = 1/\text{Mercury orbital inclination}$

That means Jupiter and mercury are the 2 pillars on them the solar group is created (this idea needs modification because of Saturn massive effect)

**Equation No. a**

4222.6 seconds x 1.16 mkm / sec (light velocity) = 4900 million km (Jupiter orbital circumference)

The previous equation is in harmony with the other equations

The equation show that, there's very strong relationship between Mercury and Jupiter, we can't explain the mechanism or description of this relationship

But we know that Mercury and Jupiter diameters and orbital circumferences are created depend on each other

(in fact many of Mercury and Jupiter data are related to each other)

**Equation No.b**

4879 km (Mercury diameter) x 1 mkm = 4879 mkm (Jupiter orbital circumference)

We know that, in mercury orbital circumference 1 million km = 1 degree

The previous equation shows a geometrical feature of Mercury Jupiter relationship

The rest equations support this same meaning...

In fact Mercury Jupiter relationship we have discussed in many papers

Please review different papers deal with this subject

Mercury Jupiter Distance

<http://vixra.org/abs/1808.0495>

84 Minutes are Required for Mercury Day

<http://vixra.org/abs/1807.0412>

Pluto was "The Mercury Moon"

<http://vixra.org/abs/1807.0331>

Mercury Velocity

<http://vixra.org/abs/1807.0208>

The Time definition

<http://vixra.org/abs/1805.0523>

## **7- Mercury Orbital Inclination**

In this point we'll answer the question concerning Equation no.7 (page 10)  
Let's remember it here

Equation no.7

2111.3 hours doesn't equal 2112 hours =88 days we need 0.7 hours

7 Mercury orbital inclination x (0.8 Uranus orbital inclination / 8 degrees)=0.7

(The value 8 degrees will be discussed in point no.7)

What's the value 8?

It's Mercury orbital inclination!

We know that Mercury orbital inclination = 7 degrees

But because of the interactions between the solar planets this value becomes 8 degrees

That means

Mercury has a known orbital inclination = 7 degrees

And has a hidden orbital inclination = 8 degrees

Let's prove that in following

### **I-Data**

I- 176.4 degrees = 7 Mercury orbital inclination x 25.2 degrees Mars axial tilt

II- 177.4 degrees (Venus axial tilt – 176.4 degrees ) = 1 degree

III-7 degrees Mercury orbital inclination +1 degree = 8 degrees

IV- 2880 mkm (Uranus orbital distance) = 360 mkm (Mercury orbital distance) x 8 =  
2880 mkm (Uranus orbital distance) = 3600 mkm x 0.8

V- 5762 mkm (Venus Pluto distance) = 720.7 mkm (Mercury Jupiter distance) x 8

VI- 41 degrees (planets orbital inclinations total) = 5.1degrees (moon orbital inclination) x 8

VII- 7.25 degrees (the sun angle) x 8 = 58 mkm – Mercury orbital distance (1 degree =1 mkm)

VIII- 629 mkm (Earth Jupiter distance) = 78.3 mkm (Earth Mars distance) x 8

IX- many calculations need 10 to be correct, this 10 is produced by the rate (8 /0.8Uranus orbital inclination)

### **II- Discussion**

The previous data tries to prove this guess, that Mercury orbital inclination 7 degrees is added by 1 degree to be 8 degrees, and this value effects frequently on the solar group values

The equations I, II and III tell us How this value 8 is produced for Mercury Orbital Inclination

The rest equations show that, this value 8 degrees is real one and a geometrical player in the solar group

I have no description or explanation how or why this is occurred but I wish the reader sees the truth easily through the huge amount of data which supports the same claim that The solar group is one body, and each solar planet should be considered as a remember in this same body

**Appendix No. 1 The 2737 Phenomenon**  
**(The Planets alignment 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

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<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
M. Cycle 26	494 S.	20	508 L. Y + 509.1244d= 509 L. Y + 154.9426d	500 BLY+433.5d= 501 BLY+ 73.5d
M. Cycle 27	513 S. Y	20	528 L. Y +365.2376d=	520 BLY+173.25d

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			<b>529 L. Y +11.0558d</b>	
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 finds 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!!

### **5-3 Is there an Earthquake, will be done as a result for the 2737 phenomenon?**

- Earth moves toward the sun 1 km daily ... means during 8211 years (2737 years x 3) the Earth moves 3 million km toward the sun  
i.e. Earth Orbital distance was 153 million km and become now 150 million km

- The greatest Earthquake may be done during 17/7/2018 to 28/7/2018

## AUTHOR CURRICULUM VITAE

# Freelance Translator

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### 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.

### COMPUTER SKILLS

- I provide the English authenticated translation (acceptable by all courts, official organizations and the foreign embassies)
- I am an experienced computer user, I work with MS Office (Word, Excel, etc.), Reader, Adobe Acrobat (full), WinZip, WinRar, etc.

### PERSONAL DATA

- Date of Birth : 09/10/1974 – Cairo.
- Martial status : Single
- Nationality : Egyptian
- Religion : Christian

**BEST REGARDS**

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I do this research

РОССИЙСКАЯ  
ФЕДЕРАЦИЯ



г. Москва

ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ  
БЮДЖЕТНОЕ ОБРАЗОВАТЕЛЬНОЕ  
УЧРЕЖДЕНИЕ ВЫСШЕГО  
ПРОФЕССИОНАЛЬНОГО ОБРАЗОВАНИЯ

«Российский университет  
дружбы народов»

АКАДЕМИЧЕСКАЯ  
СПРАВКА

АВ 3048222

5429/н

(регистрационный номер)

11 сентября 2012

года  
(дата выдачи)

Фамилия, имя, отчество

Гергес Фрэнсис Тавдрус Гергес

Дата рождения

09 октября 1974 года

Предыдущий документ об образовании

Сертификат о полном среднем образовании, 1994 год, Египет

Вступительные испытания  прошел

Поступил (а) в

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

Завершил (а) обучение в

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

Нормативный период обучения по очной форме 4 года

Направление/специальность Физика

Специализация не предусмотрена

Курсовые работы:

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

Практика:

не проходил

Итоговые государственные экзамены:

не сдавал

Выполнение выпускной квалификационной работы

не выполнял

Продолжение см. на обороте

Ректор

Декан

Секретарь



Документ содержит количество листов:

Лист №1

Государственное образовательное учреждение  
высшего профессионального образования  
**Российский университет дружбы народов**

**ЗАЧЕТНАЯ КНИЖКА № 1032104509**

**Гергес Франсис Тавдрус Гергес**  
(фамилия, имя, отчество)

**Египет**  
(Гражданство)

**Физ.-мат.**  
(факультет)

**НФ6+Д**  
(Специальность)

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

Личная подпись студента  
**01.11.2010**  
Дата выдачи зачетной книжки

*(Подпись)*  
(Проректор)

*(Подпись)*  
(Декан факультета)

Все студенты обязаны сдавать экзамены за полный курс каждого предмета, вошедшего в учебные планы, а также сдавать зачеты по практическим работам после того, как данный курс прослушан студентом полностью.

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

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

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

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

ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ОБРАЗОВАНИЮ



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

# СЕРТИФИКАТ

О ПОДГОТОВКЕ К ПОСТУПЛЕНИЮ В ВУЗ  
(ПРЕДВУЗОВСКОЙ ПОДГОТОВКЕ)

Настоящий сертификат выдан в том, что

**Гергес Фрэнсис Тавдроус Гергес**

(*Gerges Francis Tawdrous Gerges*)

Гражданство, дата рождения

*Egipet, 09.10.74.*

Успешно завершил(а) курс предвузовской подготовки

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

**Сертификат о законченном полном среднем образовании**

Поступил(а)

**23. 11. 2007 г.**

**на подготовительное отделение факультета иностранных студентов**

Завершил(а) обучение

**20. 06. 2008 г.**

Профиль предвузовской подготовки:

**естественнонаучный**

## РЕЗУЛЬТАТЫ ПРЕДВУЗОВСКОГО ОБРАЗОВАНИЯ

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

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

Всего:

1198 (1770)

Ректор

*Р. Г. Стронгин*

ЛИЦЕНЗИЯ Сер. Я № 268-07-01 от 29 апреля 2007 года  
ФЕДЕРАЛЬНАЯ СЛУЖБА ПО НАДЗОРУ В СФЕРЕ ОБРАЗОВАНИЯ И НАУКИ

Per. № 670 "24" июня 2008 г.



г. Нижний Новгород

зам. декана

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# IELTS™

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It is recommended that the candidate's language ability as indicated in this Test Report Form be re-assessed after two years from the date of the test.

Centre Number EG001

Date 24/SEP/2016

Candidate Number 005010

### Candidate Details

Family Name GERGES

First Name GERGES FRANCIS TAWDROUS

Candidate ID 27410090102716



Date of Birth 09/10/1974

Sex (M/F) M

Scheme Code Private Candidate

Country or Region of Origin

Country of Nationality EGYPT

First Language ARABIC

### Test Results

Listening 5.5

Reading 7.0

Writing 5.0

Speaking 5.5

Overall Band Score 6.0

CEFR Level B2

### Administrator Comments

Empty box for Administrator Comments

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### Validation stamp



Administrator's Signature

Date 04/10/2016

Test Report Form Number

16EG005010GERG001A



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المركز الثقافي الألماني

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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



[www.goethe.de/cairo](http://www.goethe.de/cairo)

## Author Other Papers

### **I- The Holy Bible Studies**

#### **The Tabernacle Geometrical Structure**

<http://vixra.org/pdf/1701.0344v1.pdf>

### **II- The Physics & Astronomy Studies**

#### Mercury Jupiter Distance (revised)

<http://vixra.org/abs/1808.0495>

#### The Solar Group is One Machine (Proves)

<http://vixra.org/abs/1808.0081>

#### Solar Planet Gravity Equation

<http://vixra.org/abs/1808.0012>

#### The Moon Orbit Geometrical Structure (revised)

<http://vixra.org/abs/1807.0449>

#### 84 Minutes are Required for Mercury Day

<http://vixra.org/abs/1807.0412>

#### Pluto was "The Mercury Moon"

<http://vixra.org/abs/1807.0331>

#### Saturn Data Proves Mars Immigration

<http://vixra.org/abs/1807.0301>

#### Mars Immigration Proves (Revised)

<http://vixra.org/abs/1807.0268>

#### Solar Planet Motion

<http://vixra.org/abs/1807.0220>

#### Mercury Velocity

<http://vixra.org/abs/1807.0208>

#### Solar Planet Diameter Creation Rule

<http://vixra.org/abs/1807.0208>

#### Uranus Position In The Sky

<http://vixra.org/abs/1806.0212>

#### The Sun Data shows Relativistic Effects (revised)

<http://vixra.org/abs/1806.0209>

#### Earth Motion Produces the Moon Orbit

<http://vixra.org/abs/1806.0137>

The Time definition

<http://vixra.org/abs/1805.0523>

Solar Group Geometrical Structure

<http://vixra.org/abs/1805.0081>

Earth and Mars Motions Interaction

<http://vixra.org/abs/1803.0432>

Solar Group General Description

<http://vixra.org/abs/1802.0075>

Why The Light Is The Universe Highest Velocity?

<http://vixra.org/abs/1801.0369>

Special Relativity Hypothesis Reason (Matter Creation Theory)

<http://vixra.org/abs/1801.0343>

Solar Planets Order disproves the Gravity Theory

<http://vixra.org/abs/1801.0114>

Particle Double Nature Reason

<http://vixra.org/abs/1712.0398>

Copernicus-Kepler Model Modification (Part 5)

<http://vixra.org/abs/1711.0133>

"The Earth moves with the light velocity relative to the sun" (part 4)

<http://vixra.org/abs/1709.0331>

"The Solar System Geometry (Part No.3)"

<http://vixra.org/abs/1707.0215>

also

<https://www.slideshare.net/Gergesfrancis/the-solar-system-geometry-part-no3>

"The Solar System Geometry (Part 2)"

<http://vixra.org/abs/1703.0178>

also

<https://www.slideshare.net/Gergesfrancis/the-solar-system-geometry-part-2>

" The Solar System Geometry (Part I)"

<http://vixra.org/abs/1509.0126>

also

[https://www.slideshare.net/Gergesfrancis/the-solar-system-geometry-part-i-51989014?qid=a789c6b2-5395-4cde-be61-b777af04e643&v=&b=&from\\_search=2](https://www.slideshare.net/Gergesfrancis/the-solar-system-geometry-part-i-51989014?qid=a789c6b2-5395-4cde-be61-b777af04e643&v=&b=&from_search=2)

The Time And Distance Definitions In The Solar System

<http://vixra.org/abs/1509.0241>

