

**The Solar Group Geometrical Structure is A Pyramid (Revised)**  
**Solar System Geometry (Part 17)**  
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**Abstract**

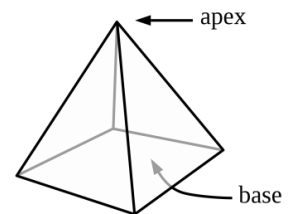
**The Solar Group Is A Pyramid**

Let's explain this idea in following:

- The sun is found on the Pyramid Apex
- Each Planet is found on different level which makes the solar group as a ladder
- The planets (Mercury - Saturn - Neptune – Pluto) form the Pyramid Base
- The players (The sun – Earth – Moon – Mars) form the pyramid Height (The Pyramid Main Column)
- The rest planets form the Pyramid walls
- The pyramid is consisted by the planets motions

i.e.

- **The Pyramid Is The Solar Planets Motions Trajectory...**
- The Pyramid Base and Height consist from different planets levels on the ladder...



This paper tries to explain and prove this fact..

This paper supports my claim against Nobel Prize Board Decision in physics 2018

The claim is written in my previous Paper  
Kepler 3rd Law Explanation (a Claim Against Nobel Prize Board Decision in Physics 2018

<http://vixra.org/abs/1810.0053>

**S. Virgin Mary Assumption into Heaven.**  
**Written in Cairo – Egypt**  
**4<sup>th</sup> November 2018**



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

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/>

## Contents

Subject	Page
Abstract	1
Planetary Fact Sheet – Metric	2
Contents	3
1- Introduction	4
2- Methodology	7
3- The Pyramid Base	8
4- The Pyramid Height	11
5- The Sun Position	21
6- Solar Group Geometrical Features (Alternative Description)	23
Appendix No.1 1The 2737 Phenomenon	29
Author CV	37
Author Other Papers	43

## **1- Introduction**

In all my papers I discuss only 3 questions concerning the Solar Group Geometry... let's write them in following

### **1<sup>st</sup> Question**

The relationships we have found in solar planets data, are these relationships found based on geometrical reasons or by pure coincidences?

#### **Some Examples**

(1)

- Mercury Saturn Distance = Neptune Pluto Distance = 1375 mkm
- Saturn Pluto Distance = Mercury Neptune Distance = 4437 mkm
- Mars orbital circumference 1433.5 mkm = Saturn orbital distance = Uranus Saturn distance = Neptune orbital distance /  $\pi$

(2)

- i. Earth Moon Distance at Perigee point = 363000 km = Solar Outer Planets Diameters Total (error 1%)
- ii. Earth Moon Distance at Apogee point = 406000 km = Solar Planets Diameters Total
- iii. The Distance between Perigee and Apogee = 40000 km = Inner Solar Planets Diameters Total = Earth Circumference.
- iv. Earth daily motion = The moon orbit circumference at apogee radius (r=406000 km)
- v. Saturn Circumference = Earth Moon Distance at total solar eclipse radius (r=377000 km)
- vi. **Note Please/** Solar Planets Diameters Total = 2 Jupiter diameters + 1 Saturn diameter (i.e. Jupiter diameter = 8 solar planets diameters total)

(3)

- Sun Diameter = Jupiter Diameter  $\times \pi^2$  (error 1.4%)

And

- Saturn Diameter = Venus Diameter  $\times \pi^2$  (error 0.8%)

(4)

- Jupiter orbital Period 4331 days = Mars Orbital Period 687 days  $\times 2\pi$  (error 0.3%)
- Mars Orbital Period 687 days = Earth Orbital Period 365.25 days  $\times 1.9$  (Mars orbital inclination = 1.9 degrees)
- Mars Orbital Period 687 days = Moon Orbital Period 27.3 days  $\times 25.2$  (Mars axial tilt = 25.2 degrees)

(5)

- Mercury moves a distance = 720 mkm during his day period (4222.6 hours) (Mercury Jupiter Distance = 720 mkm)!
- Venus orbital circumference = 680 mkm but Venus Jupiter distance = 670 mkm (error 1.5%)
- Earth orbital circumference = 940 mkm but Earth Jupiter distance (when both of them be at 2 different sides from the sun = 778.6 mkm + 149.6 mkm = 928.2 mkm (error 1.25%)... why 3 planets define their orbital distances relating to their positions from Jupiter?!

I have hundreds or may thousands of such relationships .....and Simply....

Are these relationships found based on geometrical reasons or by pure coincidences?

I suggest that... these relationships are found based on **geometrical reasons**

## **Discussion**

Why the previous relationships are found based on geometrical reasons and not by pure coincidences?!

The answer we can reach by data analysis....

Let's ask how the planet orbital distance is defined? By gravitation equation, is it true?!

What data we have?

Mercury – Venus – Earth... in sequence gives us a clear rule

Greater Diameter = Greater Orbital Distance...

Something unclear is happened with Mars...

After Mars the rule is reversed....

Greater Diameter = Shorter Orbital Distance .....in clear sequence

Jupiter – Saturn – Uranus – Neptune – Pluto....

### **Note please,**

Neptune Mass is greater than Uranus, but Uranus diameter is greater than Neptune.... That tells us the planet orbital distance is defined based on the planet diameter and not on the mass! (some answers told that, the planets orbital distances are defined based on their initial points, and in this case why the gravitation equation is acceptable, What proves it?)

Now is there a geometrical reasons behind the planets orbital distances definitions! Or they are found by pure coincidences?

The same rule is repeated 2 times....in both the rule tells us that, there's **a relationship between the planet diameter and orbital distance....**

This is similar to data No. 3

Sun Diameter = Jupiter Diameter  $\times \pi^2$  (error 1.4%) but Saturn Diameter = Venus Diameter  $\times \pi^2$  (error 0.8%)...

We have 10 planets only and from them there are 3 planets with the sun diameters are related to each other by the same rate ( $\pi^2$ ) ..... can that be done by pure coincidences?! The geometrical rule can be used frequently and the more wise conclusion is that "these data are created based on geometrical reasons"

### **The Solar Group Geometrical Structure**

How these relationships can be found based on geometrical reasons?

I have 2 hypothesis here to answer this question

#### **1<sup>st</sup> Hypothesis**

The solar group is created from **One Energy** where the energy creates the planet matter ( $E=mc^2$ ) and the planet orbital distance (my hypothesis)...

Let's summarize this description in following...

#### **General Description**

- One Unified 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 Matter (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, where the Energy has different forms (i.e. the matter and distance are 2 different forms of Energy)

#### **2<sup>nd</sup> Hypothesis**

There's **A Geometrical Structure** based on which all solar planets are created

- This geometrical structure creates the solar planets data to be in harmony with each other
- The solar planets data harmony produces Planets motions general harmony
- Based on the planet motions general harmony Kepler 3<sup>rd</sup> law is produced...

This hypothesis provides answer for my second question...

## 2<sup>nd</sup> Question

### What's the solar group geometrical structure?

This paper tries to answer this question.....

I claim that the solar group geometrical structure is a pyramid

My third question is

## 3<sup>rd</sup> Question

Why the planet motion is related to the human knowledge? i.e. why the planet motion produces a physics law? Why the planet doesn't move simply in chaos?

This question I have discussed partially in my previous paper

The Observer Effect On The Observation Results (Space = Energy= $mc^2$ )

<http://vixra.org/abs/1810.0343>

## 2- Methodology

I use the same method in all my researches, **The Planet Data Analysis...**

Let's explain the idea here again

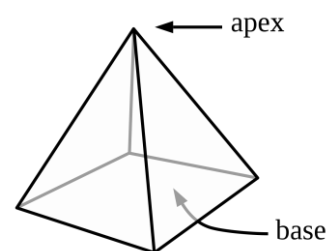
In Pythagoras triangle we found that  $a^2 + b^2 = c^2$ , this rule we can conclude from the triangle data if its dimensions are 3, 4 and 5... so the data may show the geometrical rules....similar to that, I use the solar planets data analysis to conclude the main geometrical rules which explain the solar planets origin and motion...

### 3- The Pyramid Base

3-1 Preface

3-2 The Pyramid Base Geometrical Structure

3-3 General Vision



#### 3-1 Preface

I claim the solar group is a pyramid geometrical form

How to explain and prove this claim?

**The solar group is a pyramid:**

- The sun is found on the Pyramid Apex
- Each Planet is found on different level which makes the solar group as a ladder
- The planets (Mercury - Saturn - Neptune – Pluto) form the Pyramid Base
- The players (The sun – Earth – Moon – Mars) form the pyramid Height (The Pyramid Main Column)
- The rest planets form the Pyramid walls
- The pyramid is consisted by the planets motions .....i.e.
- **The Pyramid Is The Solar Planets Motions Trajectory...**
- The Pyramid Base and Height consist from different planets levels on the ladder...
- i.e. the solar group form contains both geometrical forms the ladder and the Pyramid...

I need 3 steps to reach to this conclusion let's summarize them:

#### 1<sup>st</sup> Step:

- to accept that, the solar group is created from one energy, where the planet matter and orbital distance are created from the same energy....
- The solar group has a geometrical structure which creates all solar planets (such as planet diameter, mass, orbital distance....etc) to be in harmony with each other...
- The planets data general harmony produces planets motions general harmony, based on which Kepler 3<sup>rd</sup> law is produced

#### 2<sup>nd</sup> Step:

- To realize that, the planets data general harmony can be produced only by a **geometrical structure** which guarantees the Planets data general harmony ...
- i.e. This geometrical structure causes the planet data (diameter- mass-orbital distance ...etc) to be produced in harmony with the other planets data....
- i.e. This geometrical structure produces all planets data

#### 3<sup>rd</sup> Step:

- This geometrical structure I concluded that, **It's A Pyramid...**

This is the conclusion I reach to by solar planets data analysis... I should provide many deep discussions here to see how I reach to this conclusion.... But

There's a difficulty we may face in our discussion and analysis...let's mention to it...

The matter (mass) is created from Energy ( $E=mc^2$ ) and Space is energy (my hypothesis) where the planet motion needs energy.... Now these 3 factors depend on Energy, and all of them are created from the same source (Energy), so the interaction and coherence between them is inevitable which may cause great difficulties in explanation....

For example ... we may find a planet move slowly because he spent his energy for his mass, and the rest energy isn't enough to provide faster motion...

**Shortly:** One energy produces all factors, that's why these factors are related to each other and integrated with each other...



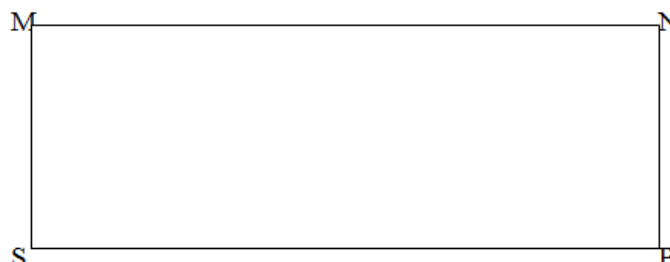
### 3-2 The Pyramid Base Geometrical Structure

- Mercury Saturn Distance = 1375 mkm
- Neptune Pluto Distance = 1375 mkm
  
- Mercury Neptune Distance = 4437 mkm
- Saturn Pluto Distance = 4437 mkm

Why these distances are equal?

The previous data consist together a rectangle

Mercury = M                  Saturn = S                  Neptune = N                  Pluto = P



The previous rectangle explains easily the previous data ... but not perfectly!

#### **Problem No. (1)**

Saturn Neptune should be = 3062 million km ....

In the rectangle, Saturn Neptune Distance is a hypotenuse and that's not true because the side SP (Saturn Pluto) = 4437 mkm and greater than the hypotenuse!

#### **Problem No. (2)**

The solar group current description shows that, the planet orbital distances are on one trajectory... but in our description we have 2 parallel trajectories...

The previous idea tries to answer the question why...

Mercury Saturn Distance = Neptune Pluto Distance = 1375 mkm

And

Mercury Neptune Distance = Saturn Pluto Distance = 4437 mkm

The rectangle idea is the most suitable.... But we can't use Pythagoras rule here...!

#### **More Analysis**

Why the Pyramid Base isn't square ... why it's rectangle?

1375 million km x  $\pi$  = 4321.5 million km

We have 2 distances only here the first = 1375 mkm and the second = 4437 mkm

(4321.5 mkm / 4437 mkm) the error = 2.5%

**We can say approximately the distance 4437 (rectangle length) = the circumference of the distance 1375 mkm (the rectangle breadth)....!**

Let's summarize it shortly:

$$MN = SP \text{ and } NP = MS$$

Where

$$MN = NP \pi$$

can such accumulated relationships be found by Pure coincidences?! Of course NOT

**These relationships are found based on geometrical reasons**, and even if this geometrical structure isn't a pyramid... still these data are found **only by geometrical reasons**

### **Extending Discussion**

The previous analysis tries to explain some relationships between the solar planets orbital distances...

In fact this explanation is limited to 4 distances only and there's more puzzled data which may help us to see much better....

For example

- Saturn orbital distance = 1433.5 mkm =
- = Saturn Uranus Distance = 1433.5 mkm =
- = Mars orbital circumference = 1433.5 mkm =
- = Neptune orbital distance /  $\pi$  = 1433.5 mkm =
- = 2 x Mercury Jupiter distance = 1433.5 mkm = 720.7 mkm x 2
- = Saturn diameter x Venus diameter = (Venus Circumference)<sup>2</sup> = 1433.5 mkm

The previous data tells us that, the geometrical structure should be more extending than the pyramid which I explained (or may this pyramid has special geometrical features) ... because we need more geometrical reasons to explain the previous distances equality

### **3-3 General Vision**

I referred frequently to that, the solar group geometrical rules are beyond our Geometry books....

So, the expression "Pyramid" doesn't mean only our known Pyramid form

But it refers to a geometrical form similar to the pyramid form but with new geometrical rules for us...

The main difficulty here is the description....

The solar group geometrical form (the pyramid) is similar to living tissue, every factor is a player in this tissue that means the planet diameter or mass may effect on the planet orbital distance...which may effect on the planet velocity... that's why the planet features equation is so difficult to reach because all planet data are found in this same equation because all data are interacted with each other inside the planet....

So, the solar group geometry is in pyramid and ladder forms, and these forms cause to create the planets masses, diameters....etc to be in harmony with other planets data to produce the planets motions general harmony.

Still this discussion is so limited....because I try to make the picture as clear as possible

To see Uranus perpendicular on Saturn level please read

Uranus Position in the Sky

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

(can this description answer our old question why the planet velocity varies inversely with orbital distance? imagine that the planet orbital distance = the planet potential energy which the planet will use as kinetic energy in his motion ... when the planet be far from the sun his potential energy is less that the nearer planet simply because the sun is on the pyramid apex "the highest point" and we know that the potential energy increases with height.... )

#### **4- The Pyramid Height**

4-1 The Relativities Effects

4-2 Earth Axial Tilt 23.45 degrees

4-3 The Pyramid Height Structure (Pyramid Main Column)

4-4- Saros Cycle                      4-5 Planets Axial Tilts Analysis

#### **4-1 The Relativities Effects**

**The Hypothesis** "There are relativistic effects in the solar group"

Let's explain this hypothesis in following:

#### **The Hypothesis Explanation**

- "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
- The sun rays are produced because of this high velocity (0.9999 c) (that means the sun is found based on these relativistic effects)
- The Theory of Matter Creation tells that, the matter creation depends on the light coherence which necessities a high velocity motion in the solar group
- The matter is created because of the high velocity motion

Solar Group Geometrical Structure (The relativistic effects proves)

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

**Why do we need to discuss the relativistic effects here?**

#### **The Pyramid Height**

Because

- Earth Axial tilt is the main data in the Pyramid Height
- Earth Axial tilt effects directly on Mars- Saturn- Neptune axial tilts at horizontal level
- Earth Axial tilt effects also directly on Mars- Saturn- Neptune – Pluto axial tilts at Vertical level (and on Uranus indirectly)
- **Earth Axial Tilt connects The sun – The Earth –The Moon and Mars together to form the Pyramid Height (The Pyramid Main Column)**
- **Earth Axial Tilt effects on the planets axial tilts through relativistic effects**

**We need to remember the following:**

- There are 2 velocities cause relativistic effects which are 0.99 c and 0.9999 c
- The first velocity 0.99 c produces lorentz length contraction rate = 7.1, 7.25 or 1.0725 (the rate is used for distances and diameters)
- The second velocity 0.9999 c produces lorentz length contraction rate = 71 (this rate is used for the sun)

## 4-2 Earth Axial Tilt 23.45 degrees

### 4-2-1 Earth Axial tilt relationship with other planets at horizontal level

#### I- Data

1<sup>st</sup>

23.4 degrees Earth axial tilt = 23.6 degrees (outer planets orbital inclinations) x 0.99

2<sup>nd</sup>

$$\frac{25.2 \text{ Mars axial tilt}}{23.4 \text{ Earth axial tilt}} = \frac{26.7 \text{ Saturn axial tilt}}{25.2 \text{ Mars axial tilt}} = \frac{28.3 \text{ Neptune axial tilt}}{26.7 \text{ Saturn axial tilt}} = 1.0725$$

3<sup>rd</sup>

25.2 deg. Mars Axial Tilt + 26.7 deg. Saturn axial tilt = **51.9** = outer planets orbital inclinations total 23.6 + 28.3 Neptune axial tilt.

#### Remember Please

23.6 degrees (outer planets orbital inclination total) x 0.99 = 23.4 degrees Earth axial tilt

17.4 degrees (inner planets orbital inclination total) x 0.99 = 17.2 deg. Pluto orbital inclination

Earth Axial Tilt

<http://vixra.org/abs/1811.0013>

#### II- Discussion

##### Equation No. 2

The Equation shows that the rate between 4 planets axial tilts is 1.0725 which we knew as lorentz length contraction rate produced from  $v=0.99c$

**I claim that these 4 values are one value .....**

i.e.

25.2 degrees, 26.7 degrees and 28.3 degrees

All these values are just one value = 23.4 degrees (Earth Axial Tilt)

But these differences in values are found because of the relativistic effects on the original value 23.4 degrees ...

That means

Earth axial tilt is extending and reach to Mars, Saturn and Neptune, these 3 planets use Earth axial tilt as their own axial tilts but the value 23.4 degrees is changes for each one of them because of their positions relative to The Earth where some planets suffer from lorentz length contraction effect and some planets don't suffer from it...

Why some planets suffer and others not? Because of the motion direction .. where the contraction effect is done with the motion direction and some planets are found on perpendicular level (vertically to the motion direction) so these planet don't suffer and that changes the values as we see

#### Please note/

The produced value from lorentz length contraction process can be contracted once again by lorentz contraction that because the energy travels and during this travel course the energy may suffer from lorentz contraction more than one time .

#### 4-2-2 Earth Axial tilt relationship with other planets at vertical level

##### I- Data

4<sup>th</sup>

$$\frac{115.2 \text{ Mars axial tilt}}{113.4 \text{ Earth axial tilt}} = \frac{116.7 \text{ Saturn axial tilt}}{115.2 \text{ Mars axial tilt}} = \frac{116.7 \text{ Saturn axial tilt}}{118.3 \text{ Neptune axial tilt}} = \frac{120}{122.5 \text{ Pluto axial Tilt}}$$

And

$$\frac{118.3 \text{ Neptune axial tilt}}{120} = \frac{120}{122.5 \text{ Pluto axial Tilt}}$$

##### II- Discussion

The previous Equations tell us that, Earth axial tilt  $23.4 + 90 = 113.4$  degrees at vertical level is very effective data in the solar group

Earth axial tilt effects at horizontal level is found also at vertical level to say that these effects are real and powerful, and also at the vertical level earth axial tilt effects is extending to contain Pluto axial tilt also

So Earth axial tilt effects vertically on 4 planets Mars – Saturn – Neptune and Pluto

##### Please Note

Uranus axial tilt 97.8 degrees (which is very important data in solar group) is related and effected by the Moon Orbital Inclination...

$97.8 = 19 \text{ degrees} \times 5.14 \text{ degrees}$  (the moon orbital inclination)

(the moon orbit regresses yearly 19 degrees)

And because Earth and Moon is one group that means Uranus axial tilt in fact is related to Earth axial tilt even with more effect than the 4 planets....

This fact be seen easily from Uranus Pluto relationship because

Uranus axial tilt 97.8 deg. = Uranus Orbital Inclination 0.8 deg. x Pluto axial tilt 122.5 deg.

##### The Conclusion

Earth Axial Tilt is a great Power at both horizontal or vertical levels

Where at horizontal level Earth axial tilt effects on Mars- Saturn and Neptune

But at vertical level Earth axial tilt effects on Mars- Saturn - Neptune and Pluto

##### That means

**The Pyramid Height (Pyramid Main Column) depends on Earth axial tilt to bind the four players together... these 4 players are:**

- The Sun
- The Earth
- The moon
- Mars

The four players are binding together with Earth Axial Tilt

### 4-3 The Pyramid Height Structure (Pyramid Main Column)

#### 4-3-1 The Main Players

The Pyramid Height (the pyramid main column) consists of 4 players

- The Sun
- The Earth
- The moon
- Mars

These 4 players are connected together **by Earth orbital period (365.25 days)** which tells us that they are binding strongly by Earth axial tilt power.

The data can prove this claim easily and clearly....

#### I- Data

- 1) **The sun circles earth during 365.25 days, that's** why the sun give Earth the same face always... that means the period 365.25 days is one of the sun data...
- 2) **Earth moon relationship depends on 365.25 days** basically because of Metonic Cycle which the moon rotates = 19 sidereal years = 6939.75 days and from Metonic Data we can see that the moon follow Earth orbital Period completely...

Metonic Cycle period = 6939.75 days  
= 19 x 365.25 days (19 sidereal years) (Earth Motion)  
= 235 x 29.53 days (235 Synodic Months) (moon motion)  
= 20 x 346.6 days (20 nodal years) (moon orbit regression)

#### 3) Mars Orbital Period 687 days

687 days = 365.25 days (Earth orbital period) x 1.9 degrees (Mars orbital inclination)  
687 days = 27.3 days (Moon orbital period) x 25.2 degrees (Mars axial tilt)

#### More Data

- Earth orbital period = Moon orbital period x (Earth diameter / moon diameter)

But

- $(\text{Earth diameter} / \text{moon diameter}) = (\text{Earth diameter} / \text{Mars diameter})^2 = (\text{Mars orbital inclination})^2 = (\text{Mars diameter} / \text{moon diameter})^2$

Also

- 25.2 degrees (Mars axial tilt) = 1.9 degrees (Mars orbital inclination) x 13.18 degrees (Moon motion daily = 13.18 degrees)

And

- Lunar eclipse umbra length = the sun diameter and the lunar eclipse locates in the distance between Earth and Mars

Also

- 455.8mkm (Mars orbital diameter)= 149.6 mkm (Earth orbital distance) x  $\pi$  (error 3%)

Let's remember here kepler 3<sup>rd</sup> law table

**More Data**

$$P^2 \text{ (or } t^2) * 25 = d^3 \text{ (or } a^3)$$

(Kepler 3<sup>rd</sup> 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 <sup>2</sup>	* 25	= d <sup>3</sup>	Error
Mercury	(88) <sup>2</sup>	<b>*25</b>	(57.9) <sup>3</sup>	0.2%
Venus	(224.7) <sup>2</sup>	<b>*25</b>	(108.2) <sup>3</sup>	0.3%
Earth	(366) <sup>2</sup>	<b>*25</b>	(149.6) <sup>3</sup>	0
Mars	(687) <sup>2</sup>	<b>*25</b>	(227.9) <sup>3</sup>	0.3%
Jupiter	(4331) <sup>2</sup>	<b>*25</b>	(778.6) <sup>3</sup>	1.4%
Saturn	(10474) <sup>2</sup>	<b>*25</b>	(1433.5) <sup>3</sup>	1%
Uranus	(30589) <sup>2</sup>	<b>*25</b>	(2872.5) <sup>3</sup>	1.3%
Neptune	(59800) <sup>2</sup>	<b>*25</b>	(4495.1) <sup>3</sup>	1.5%
Pluto	(90588) <sup>2</sup>	<b>*25</b>	(5870) <sup>3</sup>	1.4%

The constant 25 and Mars axial tilt =25.2 degrees

The data tells us why Mars Axial Tilt Value is so important in solar group because Mars axial tilt 25.2 is found based on Earth axial tilt 23.4 so both values are the same one but the difference in values are found because of the relativistic effect direction....

**II- Discussion**

The previous data shows simply a strong relationship between The sun- Earth – Moon And Mars...

This relationship is almost unique one as the previous data tell us

In fact I have no other explanation for the previous data and can't just claim all these data are found by pure coincidences.... !

**The Conclusion**

**There's a strong relationship between these 4 players**

- The Sun
- The Earth
- The moon
- Mars

### **4-3-2 The Description**

Let's suggest a primary description for the solar group...

This description we should discuss frequently and deeply to reach to the correct one... but let's suggest the primary one here

- Each planet is found on a different level which makes the solar group as a ladder
  - The planets (Mercury - Saturn - Neptune – Pluto) form the Pyramid Base
  - The players (The sun – Earth – Moon – Mars) form the pyramid Height (The Pyramid Main Column)
  - The rest planets form the Pyramid walls
  - The pyramid is consisted by the planets motions
- i.e.
- **The Pyramid Is The Solar Planets Motions Trajectory...**

### **Discussion**

The previous description is very primary one and we need to discuss it frequently in this paper and in other papers to reach to the real and correct geometrical structure...

### **How can we prove this claim?**

If I can prove that "**one planet is perpendicular on another planet**" is this proof can support the claim that the solar group is in pyramid form...?

How to prove that some planet be perpendicular on another planet?!

How to start? I search for a vertical motion may it will help us to see much better...

What vertical motion we can find in the solar group?

The solar eclipse umbra shadow motion because it's perpendicular on Earth...

Total solar eclipse umbra shadow covers on Earth a distance =304 km and its shift angle = 115 degrees....

That means we need to study Saros Cycle.... Let's do that in following



#### **4-4- Saros Cycle**

In Saros Cycle we find very specific information

Let's remember Saros Cycle in following

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

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

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

Let's discuss 2 equation here:

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

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

How can we understand the previous equations..? ( $\frac{180}{\pi} = 2 \times \text{Neptune axial tilt}$ )

The factor ( $\frac{180}{\pi}$ ) I consider as a geometrical constant... i.e.

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

#### **But why the shift angle = 115 degrees?**

**115 degrees = 90 degrees + 25.2 degrees (Mars axial tilt) (Equation No. 5-1)**

We know Mars axial tilt 25.2 is equivalent to Earth axial tilt 23.4 but the difference in values is found by the relativistic effects...

The previous equation (5-1) tells us that, the solar eclipse umbra shadow needs 90 degrees to reach to the Earth...

The shadow came to Earth based on Earth axial tilt 23.4 but needs 90 degrees to reach to Earth surface....

The value 90 tells that there's a perpendicular position the umbra needs to overcome to reach to the Earth surface..

I wish I explained the idea clearly as possible, how can I prove there's some planet perpendicular on another planet....? I analyze their data and the value 90 degrees tell me there's some perpendicular point here..... we can discuss that in more depth in following point

But here I need to refer to some data which may support my claim

**More Data**

304 km is the covered distance by total solar eclipse shadow – its circumference = 955 km  
But

- Earth moon distance = **400 x** 955 km = 384000 km
- Sun diameter = **400 x** moon diameter
- Earth orbital distance = **400 x** Earth moon distance
- Earth orbital distance = **400 x** (955 km)<sup>2</sup> (error 2.2%)
- Saturn diameter = **400 x** 304 km = 120536 km

Please Note

$$115 \text{ million km} = \text{Saturn diameter} \times 955 \text{ km} \quad (5-2)$$

The previous equation (5-2) importance can be explained as following:

- 1 degree = 1 mkm because Mercury orbital circumference = 360 mkm and 360 degrees where the solar group is one machine so any planet can use this same rate and that means the value 115 mkm = 115 degrees which is **the shadow shift angle...**
- Saturn diameter is so important in solar data because
  - o Saturn Circumference = Earth Moon distance at total solar eclipse
  - o Also Mercury moves during 4050 seconds a distance = 2 Saturn diameters where Mars moves during the same period a distance = Saturn diameter, we can see easily that there's a geometrical reason behind even if we can't reach to this geometrical reason (Please note, Mercury Day needs 5040 seconds to be 176 days- this value we have discussed frequently)

Equation (5-2) tells clearly there's a geometrical reason to produce the covered distance 304 km by the total eclipse umbra shadow....

For Umbra shadow more discussion please review  
The Solar System Geometry (Part 3)  
<http://vixra.org/abs/1705.0029>

Let's complete our discussion about the value 90 degrees

## **4-5 Planets Axial Tilts Analysis**

### **4-5-1 Uranus Axial Tilt**

Uranus Axial Tilt = 97.8 degrees in fact this value  $97.8 = 90 + 7 + 0.8$  where 7 degrees = Mercury orbital inclination and 0.8 degree = Uranus orbital inclination

That means

Uranus axial tilt = Uranus and Mercury orbital inclinations total = 7.8 degrees, But because Uranus needs to overcome the perpendicular position between he and Mercury that necessities Uranus axial tilt to be 97.8 degrees

Please review

Uranus Position In The Sky

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

Metonic and Saros Cycles Harmony Reason

<http://vixra.org/abs/1809.0559>

### **4-5-2 Pluto Axial Tilt**

Pluto Axial tilt 122.5 degrees =  $90 + 17.2 \text{ degrees} * 2$

Let's explain the previous equation

90 degrees is the required value to overcome Pluto perpendicular position

17.2 degrees = Pluto orbital inclination

$17.2 * 2 = 34.4$  degrees (why multiply with 2 I still search for answer)

But

$34.4 \text{ degrees} + 90 = 124.4$  degrees

But Pluto axial tilt = 122.5 degrees only....

The difference = 1.9 degrees (Mars orbital inclination)!

Why Mars orbital inclination is produced with Pluto Axial tilt?

Because Pluto was Mercury Moon and had to immigrate from his position around Mercury to be at distance 5870 mkm from the sun.... Pluto immigrated from his position because Mars immigrated also from his original position... where Mars original orbital distance = 84 mkm and he had to immigrated from his position to his new one at 227.9 million km from the sun....Please review my papers

Pluto was "The Mercury Moon"

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

Mars Immigration Proves (Revised)

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

#### **4-5-3 Saturn Axial Tilt**

Saturn Axial Tilt = 26.7 degrees

But

26.7 degrees + 90 = 116.7 degrees.... The value 116.7 is very specific value relating to Venus and Saturn for next reasons..

- Venus day = 116.75 days
- (Saturn Mass / Venus Mass) = 116.7

We may remember the specific relationship between Venus and Saturn diameters where  
Saturn diameter = Venus diameter  $\times \pi^2$

Also

Saturn Orbital distance = Saturn diameter  $\times$  Venus diameter = (Venus Circumference)<sup>2</sup>

In this paper introduction I provided many relationship explains the specific importance of Saturn orbital distance....

I wish we see easily that, there's geometrical reasons behind Saturn Venus relationship and this geometrical reason makes Saturn axial tilt overcome the perpendicular position by his number 26.7 degrees and don't need the value 90 degrees...

The is happened because Venus axial tilt (177.4 degrees) helped Saturn to do this task....

That's why Venus axial tilt is very great but Saturn axial tilt isn't

To see the relationship depth between Saturn and Venus I have to refer to the following:

177.4 degrees (Venus axial tilt) + 2.5 degrees (Saturn orbital inclination) = 179.9 degrees (which is very near to 180 degrees) where the solar planets depends on the cooperation between Saturn and Venus to perform their motions ....

#### **Please review**

The Sun Data shows Relativistic Effects (revised) (page 21)

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

#### **4-5-4 Neptune Axial Tilt**

Neptune Axial Tilt = 28.3 degrees

(180 degrees /  $2\pi$ ) = 28.6 degrees (error 1%)

That tells us how Neptune overcome the plane perpendicular position because Neptune axial tilt moves with the cycle standard values (180 degrees) for that he doesn't need to overcome the planet perpendicular position

#### **Please Note**

Neptune is very specific Planet in the solar group because he reflected the energy toward the inner planets... that means Neptune has to work as a main gear receives the energy and reflect it.... For that he needs to be attached with the cycle standard values, because he's the standard values for the inner planets ... (and also for Jupiter who sent the energy which he reflected)

Please review

Solar Group Geometrical Structure

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

## 5- The Sun Position

### 5-1 Copernicus–Kepler model modification

From Copernicus–Kepler model modification, we may remember the following

- 1- The sun is on the vertical level relative to the Earth. (The Pyramid Apex)
- 2- The Sun is higher than the Earth, and higher than all solar planets
- 3- The planets are found under the sun in different levels which makes the solar group as a ladder.. (produces Pyramid Trajectory of their motions)
- 4- The straight line from the Sun to the Earth is the main line in the solar group.**
- 5- The planets revolve around this line, and not around the sun herself..
- 6- i.e. the Planets revolve around the line connected between the Sun and the Earth...
- 7- That means when the planet revolve around the sun, he will revolve around the Earth also because both of them connected by this same one line
- 8- That's why, the Ptolemy model lived very long time, because it was correct
- 9- So if the planet revolve around the sun or around the Earth the result will be the same, because both of them contributed to create the main line in the solar group
- 10- And because the sun is higher than the Earth, we see the sun hesitating motion to forward and backward with angle 63.7 degrees yearly, as a circle motion
- 11- So the sun circle motion is NOT true, but resulted from our wrong vision for the sun motion...

Please review

Copernicus Kepler Model Modification

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

### What benefit we got from this conclusion (the solar group is a pyramid geometrical structure)?

We can conclude that the solar group geometrical structure has specific angle, or specific inclination...

That because the whole solar group is one geometrical structure, that provide one angle only for this whole geometrical structure (The pyramid inclination angle on the base)...

And we can conclude that... this angle = 25.2 degrees

Mars Axial Tilt = 25.2 degrees

And that explain the Kepler 3<sup>rd</sup> Law Table which we have seen in the previous discussion

## **5-2 The Moon Orbit is related to the solar planets motions**

Earth Moon Orbit is very specific orbit in the solar group

Because the moon orbit expresses the solar planets motions....

This data we can conclude easily from the moon orbit geometrical structure relationships to which I have mentioned in this paper introduction

let's remember them here...

- i. Earth Moon Distance at Perigee point = 363000 km = Solar Outer Planets Diameters Total (error 1%)
- ii. Earth Moon Distance at Apogee point = 406000 km = Solar Planets Diameters Total
- iii. The Distance between Perigee and Apogee = 40000km = Inner Solar Planets Diameters Total = Earth Circumference.
- iv. Earth daily motion = The moon orbit circumference at apogee radius ( $r=406000$  km)
- v. Saturn Circumference = Earth Moon Distance at total solar eclipse radius ( $r=377000$ km)
- vi. **Note Please/** Solar Planets Diameters Total = 2 Jupiter diameters + 1 Saturn diameter (i.e. Jupiter diameter = 8 solar planets diameters total)

The previous data is found because the solar planets motions are transported into the moon orbit to send to the Earth

Because the Earth uses the solar planets motions energy to produce the sun rays..

That means

The sun rays are produced by the solar planets motions total

i.e.

(The planet motion mechanical waves will be transformed into light waves)

To perform this process there are 2 jobs should be done

### **1<sup>st</sup> job**

to collect the solar planets motions together in one point to be one general velocity

And this collection of velocities is done in Earth moon orbit where the solar planets total velocities will be = 17.6 million km per day

### **2<sup>nd</sup> job**

Earth changes the rate of time for the sun... this process is done by Earth motion and so the 1 day on Earth will be = 237 seconds on the sun

And by such the solar planets motions energy are transformed to be light beams

For that reason the moon orbit and trajectory is effected greatly by the solar planets data as we have seen in the previous data

Where the pyramid form is the solar planets motions trajectory... that means...if we need to see this pyramid in more clear vision we need to see the solar planets in their motions

And when we see the solar planets in their motions we'll see also the moon orbit effects by their motions to transport the energy....

Shortly...

To see clearly the pyramid in the solar group we should study the moon trajectory which I should discuss in the following paper.... But here I need to remind of my alternative description for the solar group geometrical rules...

## 6- Solar Group Geometrical Features (Alternative 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 just 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 unified 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 Unified 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 (table No.1 is found at End of this introduction).. 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.... this change of Mars orbital distance– if real- causes a disturbance for Motion transportation sequence... the Sun Please review: Data shows Relativistic Effects (revised) <http://vixra.org/abs/1806.0209>
- **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.
- The proves and discussion of this claim are written in Point No.5 of this Paper

#### **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 hundreds of times 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 concluded 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.2 for equivalent time and distance values at end of this 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 more explanation

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

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 are worked as units of time in different cases that's why this rate 60 is required....(please review Table No.3 in End of this introduction for a complete list for the rate 60)

## 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?

I'll write here the general conclusion of this argument but the discussion and arguments are found in Point No.6 of this paper

### *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 mkm = 1 second
  - There's another cycle in which 1 mkm = 1 minute
  - There's another cycle in which 1 mkm = 1 hour
  - 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 group geometry 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 form 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**

**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

This claim proves and discussion will be in point No.7 of this paper

Please See also

Solar Group Geometrical Structure

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

**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

---

<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

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# Freelance Translator

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### 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.

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**BEST REGARDS**

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РОССИЙСКАЯ  
ФЕДЕРАЦИЯ



г. Москва

ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ  
БЮДЖЕТНОЕ ОБРАЗОВАТЕЛЬНОЕ  
УЧРЕЖДЕНИЕ ВЫСШЕГО  
ПРОФЕССИОНАЛЬНОГО ОБРАЗОВАНИЯ

«Российский университет  
дружбы народов»

АКАДЕМИЧЕСКАЯ  
СПРАВКА

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11 сентября 2012

года  
(дата выдачи)

Фамилия, имя, отчество

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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:

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**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.

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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**

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**20. 06. 2008 г.**

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**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 от 29 апреля 2007 года  
ФЕДЕРАЛЬНАЯ СЛУЖБА ПО НАДЗОРУ В СФЕРЕ ОБРАЗОВАНИЯ И НАУКИ

Per. № 670 "24" июня 2008 г.



г. Нижний Новгород

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Centre Number EG001

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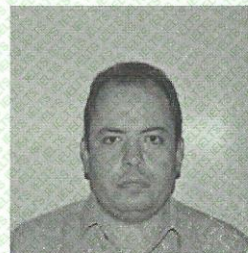
Candidate Number 005010

### Candidate Details

Family Name GERGES

First Name GERGES FRANCIS TAWDROUS

Candidate ID 27410090102716



Date of Birth 09/10/1974

Sex (M/F) M

Scheme Code Private Candidate

Country or Region of Origin

Country of Nationality EGYPT

First Language ARABIC

### Test Results

Listening 5.5

Reading 7.0

Writing 5.0

Speaking 5.5

Overall Band Score 6.0

CEFR Level B2

### Administrator Comments

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## Teilnahmebescheinigung

Hiermit wird bestätigt, dass  
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### 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**

Earth Axial Tilt

<http://vixra.org/abs/1811.0013>

The Observer Effect On The Observation Results (Space = Energy=mc<sup>2</sup>)

<http://vixra.org/abs/1810.0343>

Definition of Space (Revised)

<http://vixra.org/abs/1810.0307>

Does The Moon move by Gravity?

<http://vixra.org/abs/1810.0089>

Kepler 3rd Law Explanation (a Claim Against Nobel Prize Board Decision in Physics 2018)

<http://vixra.org/abs/1810.0053>

Metonic and Saros Cycles Harmony Reason

<http://vixra.org/abs/1809.0559>

The Solar Group Main Equation (Part 2)

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The Solar Group Main Equation

<http://vixra.org/abs/1809.0186>

The Solar Group Main Energy

<http://vixra.org/abs/1809.0152>

Jupiter Uranus Distance (Metonic Cycle Reason) (revised)

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"Metonic Cycle proves,, Solar Planets Motions depend on Their Cooperation,,

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

<http://vixra.org/abs/1808.0588>

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

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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)

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Solar Planets Order disproves the Gravity Theory

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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

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The Time And Distance Definitions In The Solar System

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

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The 2737 Egyptian Phenomenon & Its identical distance 2737 millions km

<http://vixra.org/abs/1509.0242>

The Mars Data Analysis Proves the Rest Mass Concept is Unreal

<http://vixra.org/abs/1509.0244>

The Solar Eclipse "The Gravitation Theory Puzzle"

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

All Manuscripts

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