

**The Sun Data shows Relativistic Effects  
Solar System Geometry (Part 13)  
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**Abstract**

- The Sun Data shows Relativistic Effects.  
i.e.
- There's a physical point in the solar group moves with  $c$  velocity relative to another physical point in the solar group. and this high velocity causes the relativistic effects which are observed and recorded in this paper
- The Solar Planets Data Analysis shows that, Mars Original Orbital Distance was = 84 million km. but because of the relativistic effects, Mars had to immigrate from his original point to his new point at orbital distance = 227.9 million km.
- This paper provide analyzed data and explanations to prove these 2 facts which are:
  1. There's motion with  $c$  velocity inside the solar group
  2. Mars immigrated from his original point at orbital distance 84 million km to his new orbital distance 227.9 million km

**S. Virgin Mary Assumption into Heaven.  
Written in Cairo – Egypt  
18<sup>th</sup> June 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/>

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## **1- Introduction**

We continue our discussion in previous both papers

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

"Earth motion produces the moon orbit" <http://vixra.org/abs/1806.0137>

**In this paper I claim the sun shows relativistic effects which support my claim "Earth has a hidden velocity =  $0.99 c$ "**

Let's review the main idea here again

- I claim Earth hidden velocity =  $0.99c$ , which we can't observe.

But,

- We can observe this higher velocity relativistic effects on distances and periods

So,

- my work is to rewrite the solar planets data in a form shows these relativistic effects, which can be a proof for my claim
- In this paper, I try to show that the sun has relativistic effects

I need to explain my approach before to continue...

I analyze the solar planets data as I'll explain clearly in Research Methodology, according to the planets data I suggest different descriptions, ideas and conclusions to explain this data

The description is my try but the data belongs to the solar planet... means if my description is insufficient, the data still needs sufficient one, I offer no imagination...

That means,

All my papers provide, in fact, questions and puzzled data belong to the solar planets geometry, all of them need explanations and answers... I wrote suggested ideas to solve some of them, these ideas can be refused but the questions still need answers

Let's refer to our old example here:

Why we see the sun disc = the moon disc? Because (the Sun diameter /the moon diameter) = (Earth Orbital Distance/ Earth Moon Distance) ... Why?

Why The Diameters Rate = The Distances Rate?

No answer for this question basically because no one knows how the matter is created!

So, I wish I explained my approach clearly, I don't create imaginary ideas to offer in my papers! I provide strange data has no explanations. And because no answer is found yet I have to try to explain this strange data by myself....

for example. If I need to answer the question "why the diameters rate = the distances rate?"

I'll start from a theory of Matter Creation... which I provided in my previous paper

Solar Group Geometrical Structure

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

So, this paper completes the same approach and claims that the sun shows relativistic effects to support this same theory because Earth hidden velocity =  $0.99c$  is one of the main hypothesis of my theory of Matter Creation...

Now, I have no way to deal with the accumulated science concerning to the sun nature in this paper, that because I provide a heavy claim may change greatly our vision toward the

solar group, that's why I need to concentrate on my task and avoid to discuss the sun nature in this paper.

I wish to take the chance in this introduction to summarize the three basic concepts I concluded from the solar group geometry.

### **The Solar Group Three Basic Concepts**

#### **1<sup>st</sup> Concept:**

The solar group is created from one unified Energy transported from point to another through the group

#### **2<sup>nd</sup> Concept:**

The Energy transportation through the solar group is done through the motion transportation from planet to another... that means each planet effects on the others motions...

Now we have new description for the planet motion

The planet motion narrow vision depends on the gravity between 2 masses or more starts to fade now, we replace it with more wide and extending vision...

Because the Energy is transported from a planet to another, and this transportation is done through all planet data... so each planet effects on the others not only by his mass but by his different data according to the relationship type between the planets

For example

- Mars Orbital period 687 days x  $2\pi = 4331$  days (Jupiter Orbital period)
- Mars orbital Circumference = 1433.5 mkm = Saturn orbital Distance

The previous data tells us that, Mars is connected with Jupiter and Saturn, but Mars connects with Jupiter through his orbital period (time) but connects with Saturn through his orbital circumference (distance)

Where I claimed in previous papers that, the distance and time are forms of Energy

#### **3<sup>rd</sup> Concept:**

The Energy transportation based on relativistic effects create different rates of time

This concept is the most important one

Even it's the secret of the solar group

I claim the sun rays are produced by the solar planets motions!!

i.e.

the solar planets motions mechanical waves are transferred into light waves which are the sun rays! Who can imagine! ...this is pure science fiction!!

This conclusion I got from the solar planets data and I can prove that, as I'll do by each possible methods in this paper

Let's release ourselves from the shock and think logically! Where's the problem?

#### **The Energy!**

Because the Sun energy is very great energy! And how the solar planets average energy can produce this huge one...

As if your salary 1000\$ monthly and you need to save  $10^4$  \$ !! how can you do that?!

By saving..

You should work for 10 months and save all the money...! Clear

That's

The sun one day = one year on Earth (my hypothesis)!

What does that mean?

If you stay one complete day in the sun, this period equal one complete year on Earth

Special theory of relativity gives great explanation for this idea

Now what will happen?

The solar planets motions for one complete year will be an energy is given to the sun to use in one day only! So the mechanical waves become light waves

### **Deep Discussion**

I would to have the solar group real description to show how we are far from the truth

With this naïve description for the magician gravity which effects without mechanism and produce puzzled motions and data with thousands of pure coincidences

Can the description be acceptable?

Let's provide my alternative one

The Energy is transported from one point to another point through the solar group, creating the planets and causing the transportation of motion 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 solar group

Now with these relativistic effects, different rates of times are created (based on Special Theory of relativity) 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 average one and by such way the solar group can create the sun as a source of our light.

The previous description is a very short reference to the truth..

The machine in the sky is absolute complex and amazing

A piece of eternity

I call the world to take a piece of Knowledge from His Almighty Hands

As a source of life.....

Let's refer to this paper main contents

I provide here 2 basic parts

**1<sup>st</sup> Part**– The Sun Data shows Relativistic Effects

In this point we discuss the relationships between the sun and solar planets, trying to show clearly as possible that the data expresses relativistic motions and effects

**2<sup>nd</sup> Part**– the proves of 0.99 c velocity

Here I provide all available proves that there's a velocity = 0.99c in the solar group

Or

There's more than one frame in the solar group

## 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

Let's discuss one example in following:

### 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

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

Let's see one more example before our discussion

**Example No.2**

**Table No. 2**

**"The Solar Planets Diameters Total Relationship With The Moon Orbit"**

If Earth diameter = 12756 km, is considered to be = 1

**i.e. The Earth Circumference which = 40080 km, will be just = $\Pi$**

So The Following Is Correct		Error
❖ Earth Circumference	= $\Pi$	-
❖ Solar Inner Planets Diameters total	= $\Pi$	-
❖ Moon motion free space (from perigee to apogee) (the free space without the moon diameter)	= $\Pi$	1.3%
❖ Moon Perigee Orbit Radius	= $9\Pi$	-
❖ Solar Outer Planets Diameters Total	= $9\Pi$	-
❖ Moon Orbit Apogee Radius	= $10\Pi$	1.2
❖ All Solar Planets Diameters Total	= $10\Pi$	1
❖ 2 Jupiter Diameters + Saturn Diameter	= $10\Pi$	-
Saturn Circumference = Moon Orbit Radius At Total Solar Eclipse	= $9.5\Pi$	-
❖ Jupiter Circumference	= $11\Pi$	1.9
❖ The Sun diameter	= $11 \Pi^2$	1.2

**Discussion**

- I try to explain my approach by each possible way,
- Some people consider such data as (Pure coincidences) and I provided these 2 tables here as small examples 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..

We can see the main question behind this table is  
How the planet diameter is created?

## **1st Part– The Sun Data shows Relativistic Effects**

This part consists 3 main points

### **3- The Sun Relativistic effects**

- 3-1 How to discover the relativistic effects?
- 3-2 Lorentz Contraction Rate =71
- 3-3 Uranus Axial Tilt Reason
- 3-4 The Sun Diameter

### **4- Mars Immigration**

- 4-1 Introduction
- 4-2 Mars Original Orbital distance was 84 million km
- 4-3 Mars moves 144 mkm to his new orbital distance (for 2 reasons)
- 4-4 Relativistic Effects on Mars distances
- 4-5 Moon Orbital inclination effects on the Sun Energy
- 4-6 Metonic Cycle

### **5- The solar planets cooperation to produce the light beams**

- 5-1 Introduction
- 5-2 Uranus- Jupiter relationship
- 5-3 The Moon Orbital Inclination Discussion
- 5-4 Planets Axial Tilts and Orbital Inclinations description (the Value 180 degrees)
- 5-5 Geometrical analysis of Eclipse phenomenon

### **3- The Sun Relativistic effects**

3-1 How to discover the relativistic effects?

3-2 Lorentz Contraction Rate =71

3-3 Uranus Axial Tilt Reason

3-4 The Sun Diameter

#### **3-1 How to discover the relativistic effects?**

Let's remember what we did in previous paper

I supposed that Earth has 2 velocities

- hidden velocity =0.99c
- another velocity = 0.01 c
- both together = c = 0.01c +0.99c

and I asked...!

If there's a velocity = 0.99c in the solar group

what will be the lorentz length contraction rate?

$$L_o = \frac{L}{\sqrt{1 - \frac{v^2}{c^2}}}$$

From Lorentz contraction equation we found that if  $v = 0.99c$

So

$$L_o = 7.09 L$$

And I explained that Earth Moon distance (at perigee point)  $\times 7.09 =$  Earth motion daily.

then I concluded these 2 distances are sufficient for  $L_o$  &  $L$  in Length Contraction Equation

So I concluded that there's a velocity = 0.99c in the solar group...

Similar to that I'll do in this paper...

But the rate in this time = 71

By "Lorentz Length Contraction Equation" this rate can be produced if  $v = 0.9999c$

Now if there's a velocity = 0.9999c, so its complementary will be 0.0001c

i.e.

$$0.9999 c + 0.0001c = c$$

But

The velocity 0.0001c : **is Earth Real velocity**

Now.....Let's see how to prove that!

- The length contraction rate 71 is found in the distances around the sun produced by velocity = 0.9999c
- Earth actual velocity = 29.8 km/sec = 0.0001c, the complementary velocity
- The sun rays are found

#### **What conclusion we can reach?**

- The velocity 0.9999 produced Lorentz effects and the sun rays, where actual Earth velocity and this 0.9999 c velocity are complementary to each other.

Let's see the rate 71 in following

#### **Note**

$v = 0.9999c$  is produced from  $v = 0.99c$  by lorentz effect... means the bigger velocity is born from the smaller as a result for lorentz contraction effect..... and also 0.0001c depends on 0.01c, I don't know the mechanism but the data tells that clearly..the number 0.01 can be 0.0001 just by lorentz equations...

### **3-2 Lorentz Contraction Rate =71**

In fact 71 is the most important number in the solar group let's see the data in following

#### **I-Data**

- 1- 29.53 days (synodic month) x 2.41 mkm (moon orbital circumference) = 71 mkm
- 2- 27.32 days (sidereal month) x 2.58 mkm (Earth daily motion) = 71 mkm
- 3- 71 degrees = 63.7 degrees +7.25 degrees (both angles are the sun angles)
- 4- 71 mkm passed by the light during 237 seconds
- 5- 71 x 5.1 (moon orbital inclination)= 361 degrees (metonic cycle degrees)

#### **II- Discussion**

##### **Equations no. 1 and 2**

How these equations work?

We have 71 million km but where is the contracted distances?

The contracted distance is the moon orbit diameter = 1 million km approximately

i.e.

the value 71 mkm is contracted by lorentz length contraction to be 1 million km which is the moon orbital diameter

and this distance works for both equations..

##### **Equation No. 3**

63.7 degrees :Sun Declination

7.25 degrees : sun obliquity to ecliptic

71=63.7+7.25

##### **Note**

I explained frequently that 1 degree can be = 1 million km that because Mercury orbital circumference 364 mkm = 360 degrees and this rate can be used by any planet because the solar group is one machine...

That means the value 71 is found in **The Sun Geometrical Structure**

But to do that the sun needs to use

- 1- a velocity = 0.9999c
- 2- the moon orbital diameter 1 million km

**so, the sun creation in fact depends on velocity 0.9999c**

##### **Equation No.4**

I claimed that

- Solar planets velocities total = 17.6 mkm per day (actual velocities)
- The sun rate of time is different from the Earth i.e. Earth 1 year = sun 1 day that means 1 day on Earth = 237 seconds ... now this distance 17.6 mkm for 237 seconds will produce only 0.25 C
- That means c velocity is produced if the distance becomes 71 mkm for a period 237 seconds..... That means 71 mkm is **the Sun Energy quantum....**

##### **Equation No.5**

- The equation tells Metonic Cycle depends on relativistic effects (Note please, 19 degrees the moon orbit regresses yearly x 19 years = 361 degrees)

### 3-3 Why Uranus Axial Tilt = 97.8 degrees?

Uranus is the main player in the sun creation process, we'll discuss that clearly in Mars Immigration

Why his axial tilt = 97.8 degrees?

Let's remember our discussion in the previous paper

"Earth motion produces the moon orbit" <http://vixra.org/abs/1806.0137>

We have found that

- If there's a distance  $v = 0.99 c$  .. the length contraction rate will be 7.09
- Earth Moon distance at perigee point  $0.363 \text{ mkm} \times 7.09 = \text{Earth daily motion } 2.58 \text{ mkm}$
- And I concluded that "Earth Moon distance at perigee point is the contracted distance from Earth daily motion distance..."
- And we found Uranus effects on perigee point but I couldn't explain how this effect is done! Let's try to do that here

#### 3-3-1 Uranus Effect On The Moon Orbit

- I couldn't find contraction effect on Uranus orbital distance, means Uranus is far from the relativistic effects...!
- But How? I claimed in previous paper that Uranus effects on Perigee point, and perigee point itself is a contracted length how that can be possible?

To answer we need to know the motion direction.... Or

The length contraction direction ...!

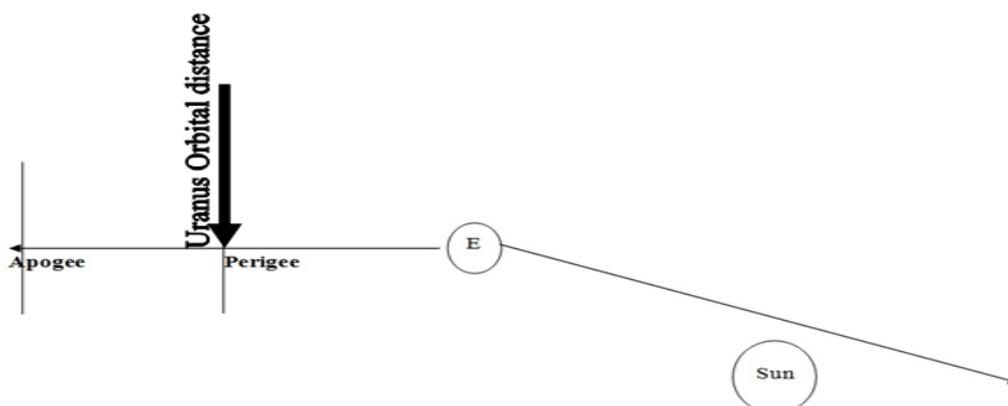
- Earth Moon distance at perigee point is a contracted length found by Lorentz contraction based on velocity =  $0.99c$ , I claimed that in previous paper. Then next part is the moon orbit distance from perigee to apogee and I claimed also this distance is effected by Lorentz contraction...! So...
- The contraction direction is at the horizontal level from Earth toward the moon, passing by perigee and apogee points respectively ..
- We know Uranus effects on Perigee point

But

- Uranus orbital distance has no relativistic effect

What conclusion we can reach here?

- **Uranus orbital distance must be perpendicular at Earth Moon Distance**



- As explained in previous figure, Uranus Orbital Distance direction must be perpendicular at the moon orbit radius direction (distance from perigee to apogee)

This claim has any proof? Why this is truth?!

### **3-3-2 Uranus axial tilt has relativistic effects**

- That's why Uranus axial Tilt =97.8 degrees (greater than 90 degrees!).. why?  
Because:
  - o Uranus Axial Tilts shares in relativistic effects
  - o i.e. Uranus axial Tilt effects on horizontal level (the Earth moon distance)
  - o So Uranus axial Tilt needs at least 90 degrees to overcome the perpendicular position of Uranus Orbital distance (shown in the figure)
  
  - o In brief, because Uranus orbital distance is perpendicular at the Earth moon distance (at vertical) and Uranus axial Tilt shares the relativistic effects of the moon orbit distance (at horizontal) that requires Uranus Axial Tilt to be greater than 90 degrees to perform this task...

But do really Uranus axial Tilt shares the relativistic effects?

Let's answer

### **3-4 The Sun Diameter**

**97.8 degrees Uranus axial Tilt = 1.392 mkm (the sun diameter) x 71 (Lorentz contraction rate for  $v = 0.9999c$ )**

Uranus is the main player in the sun creation process

We'll see many other proves and explanations in this paper

Specially in the next point (Mars Immigration)

## **4- Mars Immigration**

4-1 Introduction

4-2 Mars Original Orbital distance was 84 million km

4-3 Mars moves 144 mkm to his new orbital distance (for 2 reasons)

4-4 Relativistic Effects on Mars distances

4-5 Moon Orbital inclination effects on the Sun Energy

4-6 Metonic Cycle

### **4-1 Introduction**

Let's tell the whole story in brief

- 1- The sun rays are produced from the planets motions. means the planets motions mechanical waves are transferred into light waves (hypothesis)
- 2- Uranus is the main Player in the sun creation process
- 3- Uranus uses 180 degrees produced by cooperation between Venus and Saturn (will be explained later) to produce the distance 144 million km ( $180 \times 0.8 = 144$ )

Now let's start Mars role

- 4- Mars original orbital distance was =84 million km,
- 5- By help of Uranus Mars moves from 84 million km to 227.9 million km (distance =144 million km)
- 6- Mars moves this distance for 2 reasons
  - a. 1<sup>st</sup> reason to support the total energy of the planets by increasing his motion
  - b. 2<sup>nd</sup> reason to cause the moon orbital inclination = 5.1 degrees
- 7- Moon orbital Inclination (5.1 degrees) effects on the energy accumulation process to produce the sun
- 8- The motion 144 mkm is related to Metonic Cycle

#### **4-1-1 The General Concept**

In this paper introduction I explained how the solar group can produce the huge energy from low energy

Every thing is done by change the rates of time

So, because Mars new orbital circumference 1433 mkm ( $227.9 \times 2\pi$ ) is greater than his old one 528 km ( $84 \times 2\pi$ ) that causes increase for his energy, regardless his real velocity, because the energy depends on the distance and not on the time

We discussed this general concept in the previous

"The Time Definition"

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

## **4-2 Mars Original Orbital distance was 84 million km**

### **I-Data**

- 1-  $84 \text{ mkm} \times 71 = 2 \times 2997$  (**Uranus Pluto distance**)
- 2-  $144 \text{ mkm} \times 0.5875 \text{ mkm}$  (Uranus velocity daily) = 84 mkm
- 3-  $84 \times 17.4$  degrees (solar inner planets orbital inclinations total) = 1461 days (Earth 4 years Cylce)

### **II- Discussion**

We have 2 point to discuss

#### **1<sup>st</sup> Point/ Planet diameter and orbital distance relationship**

Let's remember our question "How does planet define his orbital distance?"

I argued that

The planets orbital distances may be defined basically based on their diameters

**Because we found a clear rule in the solar planets sequence which is**

**Greater Diameter has Greater Distance for The Sun ...in clear sequence**

#### **Mercury – Venus – Earth**

But something not clear was happened with Mars!

And after Mars, the rule is reversed to be,

Greater diameter will have smaller distance... in clear sequence

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

What's happening with Mars?!

His immigration from his original point 84 mkm to his new one 227.9 mkm

Now if Mars return to his original Point 84 mkm, the rule will be working easily

**Greater Diameter has Greater Distance To The Sun ...in clear sequence**

#### **Mercury –Mars – Venus – Earth-**

we should complete this discussion later... but at least we have reason to think it's the right place for Mars to be in the point 84 million km

#### **"Note Please,**

Uranus is greater in Diameter than Neptune, But Neptune is greater in Mass- and as we see Uranus before Neptune.... So the Order depends on the Diameters and NOT on the Masses!"

For full discussion please review

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

#### **2<sup>nd</sup> Point / Uranus controls all**

Points 1& 2 tell us that Uranus has clear relationship with this distance 84 million km

#### **Equation No. 3**

The equation tells us that the value 84 is connected with all inner planets and effects deeply on Earth 4-years Cycle. (means this point is real).

### **4-3 Mars moves 144 mkm to his new orbital distance (for 2 reasons)**

#### **I-Data**

- 1- 25920 mkm = 144 x 180
- 2- 4495 mkm (Neptune Orbital distance) = 144 mkm x  $\Pi^3$
- 3- 144 = 180 x 0.8 (Uranus Orbital inclination)
- 4- 144mkm x  $\Pi$  = 2 x 227.9 mkm (Mars new Orbital distance)
- 5- 144 x 2.5 Saturn orbital inclination = 360 degrees
- 6- 144 million km = 0.406 mkm/ day x 354.36 days (synodic year)
- 7- 144 degree = 5.1 moon orbital inclination x 28.3 Neptune axial Tilt
- 8- 144 million km = 28.3 x 3.66 x 1.392 mkm (the sun diameter)**

#### **II-Discussion**

##### **Equation No. 1**

- Equation No. 1 tells that the distance 144 mkm is in the solar group basic geometrical structure where 25920mkm is the most important distance, I referred to it many times before (distance passed by light during a solar day 86400 second x 0.3 mkm = 25920 mkm)
- Also the equation tells us this relationship depends on 180 degrees which is found by cooperation between Saturn and Venus (will be discussed later)

##### **Equation No. 2**

- Equation No. 2 tells us that, Neptune Orbital Distance which is the source of Energy for the inner planets as we have discussed before (Solar Group Geometrical Structure <http://vixra.org/abs/1805.0081>) defines the distance 144mkm based on the factor  $\Pi^3$  which expresses Uranus-Jupiter relationship.

##### **Equation No.3**

- The Equation tells us that 144 mkm is found based on Uranus and the value 180 degrees

##### **Equation No. 4**

- This is a direct relationship between 2 distances the old and new

##### **Equation No. 5**

- the equation tells about specific relationship between Mars and Saturn.. and that's known where Mars orbital Circumference = Saturn orbital distance... I still don't know way but the relationship is strong and clear ..

##### **Equation No.6**

- the equation tells us that during a synodic year (354.36 days) Pluto moves a distance = 144 mkm... that means there's some relationship between Pluto and Mars displacement..
- More interesting that (1/pluto velocity) = the moon velocity! This data add more features for the solar geometrical structure which we need more research to understand
- Note please (1/Neptune velocity) = Mars velocity (error 3%)... this feature has important effect on the solar system geometry but we need more search to understand

##### **Equation No.7**

- The equation tells us Mars moves 144 million km to cause Moon orbital inclination to be 5.1 degrees.
- Specially because the other player in the equation is 28.3 Neptune axial tilt which is the source of Energy for the solar inner planets.

#### **4-4 Relativistic Effects on Mars distances**

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

- 1-  $144 \text{ mkm} \times 71 = 10224 \text{ mkm} = 2\pi \times 1622 \text{ mkm}$  (**Uranus Neptune Distance**)
- 2-  $84 \text{ mkm} \times 71 = 2 \times 2997$  (**Uranus Pluto Distance**)

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

###### **Equation No.1**

The equation tells us that the distance 10224 mkm is contracted by velocity 0.9999c (by which the sun is created) and the contracted distance is the 144 mkm (moves by Mars from his original point 84 mkm to the new one 227.9 mkm)

###### **Equation No.2**

This equation tells a similar meaning with distance 84 mkm

i.e.

(Uranus Pluto distance  $\times 2$ ) is contracted by the rate 71 and produced the distance 84mkm

Where the distance 84mkm was Mars original orbital distance

That means the sun creation process took into consideration all these points before the sun creation...

Means

The sun creation requirements include to make the distance 84mkm is contracted for the Uranus Pluto distance....

#### **4-5 Moon Orbital inclination effects on the Sun Energy**

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

- 1-  $2732 \text{ mkm Earth Uranus distance} \times 2\pi \times 5.1$  (moon orbital inclination) = **86400mkm**

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

###### **The Equation tells us that**

The result energy is the main energy sent to the inner planets as we have discussed in my previous paper "Solar Group Geometrical Structure <http://vixra.org/abs/1805.0081>"

So, the equation shows the main energy is resulted based on Uranus Earth distance with help from Moon Orbital inclination

That's what I'm trying to say

The sun is created from the solar planets motion energy by Uranus help where the light beams are produced on the Earth axis because the Earth who create the sun rate of time by which the mechanical waves are transferred into light waves.

The equation supports the meaning strongly

Only one notice...

In all data Uranus is found time after time by many of his data....

###### **The conclusion is correct**

Uranus is the main player in the sun creation process

## **4-6 Metonic Cycle**

Actually I claim that Metonic Cycle is found related to Mars Immigration  
This explains the interaction between Mars and Moon orbital periods.

### **I-Data**

- Mars orbital period 687 days = Moon orbital Period 27.3 days x Mars Axial Tilt 25.2
- Mars orbital period 687 days = Earth Orbital period 365.25 days x Mars Orbital Inclination 1.9
- Earth diameter = Mars diameter x 1.9 = Moon diameter  $(1.9)^2$
- $(\text{Moon Diameter})^2 \times 19$  sidereal years (Metonic Cycle) = 227.9 million km = Mars Orbital Distance
- 144 degrees x 2.5 Saturn Orbital inclination = 360 degrees (Full Cycle)
- $2.405 \times 144 = 346.6$  (Nodal year) (moon orbital year)

### **II-Discussion**

- The previous data shows a deep relationship between, Moon and Earth that tells us very logical this connection to be through Metonic Cycle.
- Also The data tells us that the distance 144 million km is a real distance in the solar group because it's found repeatedly by different relationships between the solar planets...
- And tells us the distance 144 mkm contributes in the sun diameter creation

## 5- The solar planets cooperation to produce the light beams

5-1 Introduction

5-2 Uranus- Jupiter relationship

5-3 The Moon Orbital Inclination Discussion

5-4 Planets Axial Tilts and Orbital Inclinations description (the Value 180 degrees)

5-5 Geometrical analysis of Eclipse phenomenon

### 5-1 Introduction

- Uranus depends on the value 180 degrees in his job
- Uranus is the main player in the light beam creation process as we have discussed before
- So the following discussion depends on a supposition that the value 180 degrees is produced already (by cooperation between Saturn and Venus). The value we'll discuss in point 5-3

### 5-2 Jupiter Uranus Relationship

#### I-Data

$$C^2 = 2872.5 \text{ mkm} \times \Pi^3 = \text{The Energy Source}$$

#### Where

- $C^2 =$  (the distance passed by light in 1 second)<sup>2</sup>
- 2872.5 mkm Uranus Orbital Distance
- $\Pi^3$  express the relationship between Uranus and Jupiter because
  - o Uranus Axial Tilt = 97.8 degrees =  $\Pi^4$  degree (cyclic Number)
  - o Jupiter Axial Tilt = 3.1 degree =  $\Pi$  degree (cyclic Number)

So

- o  $\Pi^4 / \Pi = \Pi^3$

#### Additional Data

- o  $\Pi^3 \times 0.8$  Uranus Orbital Inclination = 25.2 Mars Axial Tilt
- o Note/ we see 25.2 is the constant is Kepler 3<sup>rd</sup> law Table (Research Methodology) which tells us that the previous equation is considered one of the main solar geometrical structure equations.

#### II-Discussion

We will see more data concerning the solar planets orbital inclinations and axial tilts (point 5-3) to see the extending relationship between them to know that the previous relationship is a common one, and there several relationships are similar

The previous equation tells us

That, Uranus and Jupiter have an interaction which creates this value  $\Pi^3$  to use in the solar system geometrical structure as in the sun creation case

i.e.

When we find this value  $\Pi^3$  in any solar planet data, we should consider this data caused by Jupiter Uranus relationship

(for example Mercury Earth Distance  $91.7 \text{ mkm} \times \Pi^3 = 2872.5 \text{ mkm}$  (Uranus Orbital distance))

### 5-3 The Moon Orbital Inclination Discussion

#### I-Data

**3.1 Jupiter Axial Tilt + 1.3 Jupiter Orbital Inclination + 0.8 Uranus Orbital Inclination = 5.2 the Moon orbital Inclination (Earth moon)**

Also

**144 degrees = 5.1 moon orbital inclination x 28.3 Neptune axial tilt**

So

The moon orbital inclination is a result by

- 1- Uranus- Jupiter relationship
- 2- Mars Immigration distance and Neptune axial tilt

#### II- Discussion

We have 2 ways to produce the same result ...how that can be possible?

The answer is easy and clear

These 2 equations are just one equation

Both relationships tell the same news!

How that can be possible?

Let's see the data in following

- 28.3 Neptune axial tilt = 22 x 1.3 Jupiter orbital inclination
- 28.3 Neptune axial tilt = 7 x 4.05 (Mercury Velocity)

I can't see the description clearly

But the idea is related to  $\Pi$  definition ....

$$\Pi = 22/7$$

The solar group geometry makes miracles with  $\Pi$

He divides  $\Pi$  into 22 and 7 and gives planet the number 22 and the other planet the number 7, both together will create the value  $\Pi$

I don't know why this is important geometrically... I found that times after times in the solar group (For example ....Jupiter diameter = 1 million / 7)

This process is one of the geometrical structure features... we need to define  $\Pi$  to understand how that works...

The conclusion is that both Neptune axial tilt and Jupiter orbital inclination are related to each other.... (in point no. 5-3) we will discuss more details

But let's here see more important data we can see the truth much better

- Uranus axial tilt 97.8 degrees = The moon orbital inclination 5.2 x 19

But

- Uranus orbital distance 2872.5 mkm = Earth Orbital distance 149.6 mkm x 19

Do we see some relationship here?... I conclude that

There's a relationship between Uranus and the Moon orbit based on Metonic Cycle

Now Metonic Cycle is created by Earth motion as I explained in my pervious paper

Earth Motion Produces the Moon Orbit

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

#### Why This Is Important?

Because the sun creation depends on Metonic Cycle

Now Metonic Cycle is a Cycle made by the moon and effect on Uranus & Jupiter

The three players with the Earth they work to produce the light beams (the sun rays)

I don't know the description or mechanism of this process

But I know "The sun depends on the moon to create her diameter.... That's why we see the sun disc = the moon disc"

It's not the pure coincidences, but it's the geometrical process by which the sun is created  
In fact the point is hard and needs more explanation,  
But let explain more easier point to help us

### 5-4 Planets Axial Tilts and Orbital Inclinations description

#### I-Data

- **177.4 Venus Axial Tilt+2.5 Saturn Orbital Inclination= 180**

- 180 = 28.3 Neptune axial tilt x 2  $\Pi$
- 180 = 26.7 Saturn axial tilt x 6.7 Moon axial tilt
- 180 = 97.8 Uranus axial tilt x 1.84 (Neptune orbital inclination 2.2%)
- 180 = 25.2 Mars axial tilt x 7.1 (relativistic rate with 0.99c)
- 180 = 144 / 0.8 Uranus orbital Inclination

**(180 degrees is found as the basic line to create the sun)**

#### II-Data

- 122.5 Neptune axial Tilt x 0.8 Uranus orbital Inclination = 97.8 Uranus axial tilt
- 511 degrees solar planets axial tilts total = 97.8 Uranus axial tilt x 5.2 Moon orbital inclination
- 41 degrees (solar planets orbital inclinations total) =  $\Pi^3$  x 1.3 Jupiter orbital inclination...

#### III- Discussion

What we have learnt from the previous data?

Let's explain that in following points

##### 1<sup>st</sup> Point

Venus and Saturn cooperate together to create the distinguish value 180 degrees

(177.5+2.5= 180)

This strange idea is acceptable by me completely because I know there's a specific relationship between Venus and Saturn I can't explain till now

I'll refer to some data showing this relationship:

1. Saturn Diameter = Venus Diameter x  $\Pi^2$
2. Saturn orbital distance = Saturn Diameter x Venus Diameter= (Venus Circumference)<sup>2</sup>

I need to refer here to one more important conclusion that

**"Saturn orbital distance is the solar group mean measurement"**

I can prove that easily in following

##### Table No. 3

- If Saturn Orbital Distance	= 1
So	
- Mars Orbital Circumference	= 1
- Saturn Uranus Distance	= 1
- Uranus Orbital Distance	= 2
- Neptune Orbital Distance	= $\Pi$
- Mercury Jupiter Distance	= 1/2

##### 2<sup>nd</sup> Point

**Based on the resulted 180 degrees all other planets orbital inclinations and axial tilts are created by relating to each other (conclusion)**

## IN THE ALMIGHTY GOD NAME

Through the Mother of God mediation

I do this research

The data shows the clear and direct relationships but the others are found based on more complex relationships... in fact we don't need to discuss that here

But we need to discuss the geometrical structure behind

Let's do that in the following point

### 3<sup>rd</sup> Point The Discussion

What all that for?

The solar group planets axial tilts and orbital inclinations are connected to each other and there's a map for these connections..

So, the moon orbital inclination is produced by a relationship between Jupiter and Uranus, such claim is very acceptable because all the axial tilts and orbital inclinations are produced by the same way... but I have no the map

The only important information from our conclusion that the moon orbital inclination is produced by Jupiter Uranus relationship is the relationship between the moon orbit and the sun

Because both Jupiter and Uranus are connected to the sun, we know ...let's refer to the data to prove this claim

- The Sun Diameter = Jupiter Diameter x  $\Pi^2$
- $C^2$  (the sun source) = Uranus Orbital distance x  $\Pi^3$

And

- The Sun Diameter = Uranus Diameter x 27.3 (Moon orbital period)

That's why the sun depends on the moon orbit in here creation

Let's provide more important data to see the whole picture in much better

### IV- More Data

- 1- Solar inner Planets orbital inclinations total =  $(7+3.4+5.1+1.9) = 17.4$  degrees but Pluto Orbital inclination = 17.2 degrees (error 1.1%)
- 2- Solar outer Planets orbital inclinations total =  $(1.3+2.5+0.8+1.8+17.2) = 23.6$  degrees, But Earth axial tilt = 23.45 degrees... (error 0.6%)
- 3- 41 degrees (solar planets orbital inclinations total) =  $\Pi^3$  x 1.3 Jupiter orbital inclination (the equation is repeated before but we need it here because the following one)
- 4- 41 degrees (solar planets orbital inclinations total) =  $\Pi$  x 13.18 degrees (the moon daily motion degrees)

### V- Discussion

I provide the data here to show that there are many relationships between the planets orbital inclinations and axial tilts, I try to support my point of view

All that will be very clear when we understand the description by which this are related to each and why! That will be available when we answer the most important question how the orbital inclination and axial tilt effect on the planet motion?

### 5-5 Geometrical Analysis Of Eclipse Phenomenon

The question was "Why we see the sun disc = the moon disc?" Let's answer in following

#### I- Data

1-

$$\frac{\text{The Sun Diameter}}{\text{The Moon Diameter}} = \frac{\text{Earth Sun distance}}{\text{Earth Moon distance}} = \frac{\text{Earth Daily Velocity}}{\text{Earth Raduis}} = 400$$

2-

$$\frac{\text{Earth Orbital Distance}}{\text{The Sun Diameter}} = \frac{\text{The Sun Diameter}}{\text{Earth Diameter}} = \frac{\text{Earth Moon Distance}}{\text{Moon Diameter}} = 109$$

3-

$$\frac{\text{Earth Diameter}}{\text{Mars Diameter}} = \frac{\text{Mars Diameter}}{\text{Moon Diameter}} = \frac{\text{Earth Orbital Distance}}{\text{Earth Mars Distance}} = \frac{\text{Mars Orbital Period}}{\text{Earth Orbital Period}} = 1.9$$

(1.9 degree is Mars orbital inclination)

4-

$$\frac{\text{Earth Diameter}}{\text{Moon Diameter}} = \frac{\text{Moon Diameter}}{\pi D} = \frac{\text{The Sun Diameter}}{\text{Earth Moon Distance}} = \frac{\text{Uranus Orbital Distance}}{\text{Jupiter Orbital Distance}}$$

(D= covered distance by total solar eclipse shadow = 304 km)

(Average Error 1.5%)

Let's provide more data

#### II-Data

1-

$$\frac{\text{Satrun diameter}}{\text{Earth diameter}} = \frac{\text{Saturn orbital distance}}{\text{Earth orbital distance}} = \frac{\text{Earth axial Tilt } 23.4}{\text{Saturn orbital inclinatio n } 2.5} = \frac{\text{Uranus Orbital distance}}{\text{Earth Orbital diameter}} = 9.5$$

2-

$$\frac{\text{Earth orbital distance}}{\text{Earth diameter}} = \frac{\text{Earth Mars distance}}{\text{Mars diameter}} = \frac{\text{Mercurcy orbital distance}}{\text{Mercury diameter}} = \frac{\text{Saturn orbital distance}}{\text{Satrun diameter}} = 109^2$$

3-

$$\frac{\text{the Sun diameter}}{\text{Saturn circumfere nce}} = \frac{\text{Earth diameter}}{\text{Moon diameter}} = 3.66 \text{ (Note/ Saturn Circumference = Earth Moon Distance)}$$

#### II-Discussion

I provide all these data to explain that, the relationship between the sun and moon diameters at one side and their distances to the Earth at the other side is not very exceptional relationship, but there are many similar relationships as we can see from the data

In fact we need answer... why these relationships are found....?

- The only reference I can conclude is that, Saturn is connected with Earth strongly based on the rate 9.5.. and he defines the moon Earth distance through his relationship with Earth
- But the rate 9.5 is not original one.... This rate comes basically from the rate 19
- Uranus has connection with Earth based on the rate 19 which is originated from Metonic Cycle
- Based on that I can see a reason why Uranus orbital distance = 2 Saturn orbital distance!
- Means Saturn and Uranus plays similar role but Saturn works for small numbers but Uranus works for the grand numbers...!

**2<sup>nd</sup> Part– The Proves Of 0.99 C Velocity**

(there's a velocity = 0.99c in the solar group)

**6- phenomena explained only by 0.99 C velocity**

6-1 Duality Nature

6-2 c velocity is constant

6-3 time values become distance values

6-4 Electricity and Magnetism phenomenon

**7-Relativistic Effects**

7-1 The sun shows relativistic motions

7-2 The moon orbit is produced by relativistic effects

7-3 Lorentz Contraction 7.25

7-4 Earth velocity =0.99 c

**8- Solar Planets Velocities Total (C<sup>2</sup> production)**

## **6- phenomena explained only by 0.99 C velocity**

6-1 Duality Nature

6-2 c velocity is constant

6-3 time values become distance values

6-4 Electricity and Magnetism phenomenon

### **6-1 Nature Duality**

We asked this question before why the particle behaves as a particle and as a wave?

How can we explain the nature Duality?

We have some tools to help us to answer this question let's summarize in following:

- We know the solar group is consisted from one unified Energy transports from point to another point through the group, that means the energy is passing through the group
- I claim Earth hidden velocity =  $0.99c$
- This hidden velocity causes relativistic effects as we discussed in this paper in addition to many other papers.

How that can help us?

- If the energy passes in a frame moves with my velocity I'll see this energy as a particle, but if this same energy passes in a frame moves with  $c$  velocity relative to me I'll see this energy as a wave (light)

That means

- **In fact Nature Duality is a proof that there's a velocity =  $0.99c$  is found in the solar group. Or**
- **There's more than one frame in the solar group**

Particle Double Nature Reason

<http://vixra.org/abs/1712.0425>

### **6-2 C velocity is constant**

Why  $c$  velocity is constant?

I answered this question in my theory of matter creation

I claimed the matter is bright fringes produced by light coherence, where the space around us is dark fringes produced by this same light coherence

Our body also is bright fringes produced by light coherence

I suppose the bright fringes velocity =  $c$  velocity

That's why we can't realize any higher velocity even if found because our bodies (5 senses) made from bright fringes their velocities =  $c$

Now if this description is correct how can we see the sun?

Because our body is made of bright fringes with velocity  $c$  that means no difference in velocity between us and the light, and way we'll see any light beam as matter

That necessitates Earth to move with  $0.99c$  relative to the sun to enable us to see the light

Why The Light Is The Universe Highest Velocity?

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

### **6-3 Time Values Become Distance Values**

This is my addition to the special theory of relativity

#### **The Space And Time became Equivalent In The Relativistic Motions and effects**

(Gerges Francis Tawdrous)

This is another proof that, there's a hidden velocity  $=0.99c$  in the solar group because in many data we found the time and space are equivalent

I discussed that in my previous paper

The Time definition

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

we saw many examples in this discussion let's provide only one here

25920 years is the Cycle of Precession

But

25920 million km is the distance passed by light during the solar day 86400 seconds

$0.3\text{mkm} (c \text{ velocity}) \times 86400 \text{ seconds (solar day)} = 25920 \text{ million km}$

That makes this distance very distinguish because both values the light velocity and solar day period are specific values defined by the universe geometry

Not only that

This same distance

25920 million is passed by solar planets velocities daily total (17.6 million km per day) during Earth 4 years cycle (1461 days)

$17.6 \text{ million km (planets total velocities per day)} \times 1461 \text{ days (Earth 4years Cycle)} = 25920 \text{ million km}$

I try to explain that both values are remarkable values, I can't explain how any of them depend on the other because still I have no a complete description for the solar group but it's noticeable remark to have 2 important equal values one in time units and the second in distance units.... And when these cases are repeated hundreds of times that push us to search for a geometrical reason behind.

### **6-4 Electricity and Magnetism phenomenon**

Feynman tells that Magnetism is the relativistic effect of the electricity (Feynman Lectures Mainly Electromagnetism)

And I found this description provides a proof for my claim

Because I claim there's a velocity  $= 0.99c$  in the solar group which causes relativities effects

And

If the magnetism is the relativistic effect of electricity and both are found in our world that means both effects are found in our world

The relativistic and non relativistic effects together are found in our world

That supports my claim that there's a velocity  $= 0.99c$  in the solar group

## 7-Relativistic Effects

- 7-1 The sun shows relativistic motions
- 7-2 The moon orbit is produced by relativistic effects
- 7-3 Lorentz Contraction 7.25
- 7-4 Earth velocity =0.99 c

### 7-1 The sun shows relativistic motions

We have studied that in point No. 3 in this paper

### 7-2 The moon orbit is produced by relativistic effects

We have studied that in my previous paper

Earth Motion Produces the Moon Orbit

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

### 7-3 Lorentz Contraction rate 1.0725

Let's remember here the lorentz contraction equations which we have discussed before ...

#### I – Data (Distances)

<b>1st-</b>	$\frac{\text{Earth Daily Motion } 2.58 \text{ mkm}}{\text{Moon Orbital Circumference } 2.41 \text{ mkm}} = 1.0725$	(No Error)
<b>2nd-</b>	$\frac{\text{Apogee orbital radius } (406000 \text{ km})}{\text{Total Solar Eclipse radius } (378500 \text{ km})} = 1.0725$	(No Error)
<b>3rd-</b>	$\frac{778.6 \text{ mkm Jupiter Orbital Distance}}{720.3 \text{ mkm Jupiter Mercury distance}} = 1.0725$	(0.7%)
<b>4th-</b>	$\frac{720.3 \text{ mkm Jupiter Mercury distance}}{670 \text{ mkm Jupiter Venus Distance}} = 1.0725$	(No Error)
<b>5th-</b>	$\frac{670 \text{ mkm Jupiter Venus Distance}}{629 \text{ mkm Jupiter Earth Distance}} = 1.0725$	(0.6%)
<b>6th-</b>	$\frac{629 \text{ mkm Jupiter Earth Distance}}{586.5 \text{ million km}} = 1.0725$ / $\frac{586.5 \text{ million km}}{550.7 \text{ mkm (Mars Jupiter Distance)}} = 1.0725$	
<b>7th-</b>	$\frac{\text{Jupiter Orbital Circumference } (4894 \text{ mkm})}{\text{Neptune Orbital Distance } (4495.1 \text{ mkm})} = 1.0725$	(Error 1.5 %)
<b>8th-</b>	$\frac{\text{Saturn Orbital Distance } (1433.5 \text{ mkm})}{\text{Saturn Venus Distance } (1325.3 \text{ mkm})} = 1.0725$	(Error 0.8%)
<b>9th-</b>	$\frac{\text{Saturn Earth Distance } (1284 \text{ mkm})}{\text{Saturn Mars Distance } (1205.6 \text{ mkm})} = 1.0725$	(Error 0.7%)
<b>10th-</b>	$\frac{\text{Uranus Orbital Distance } (2872.5 \text{ mkm})}{\text{Uranus Mars Distance } (2644 \text{ mkm})} = 1.0725$	(Error 0.7%)

## II- Discussion

Let's remember our discussion about the rate 1.0725

**1<sup>st</sup> question** why these distances should be equal?

Because they are light beams reflected from each other

**2<sup>nd</sup> question** why they have the same rate 1.0725 in place to be equal to each other?

Because half of them suffered from lorentz contraction with rate 7.25% and for that reason they have a constant rate 1.0725 between all of them

**3<sup>rd</sup> question** why this rate is constant?

Because the contraction effects on them all come from the same point i.e. one master point effects on all of them to suffer from lorentz contraction

**4<sup>th</sup> question** what's this point?

The sun point

**The sun creation is done based on relativistic effects**, that's why the sun herself causes Lorentz contraction for all these distances ..

**5<sup>th</sup> question** why the rate is 1.0725 and Not else? Regardless the sun inclination to ecliptic 7.25 degrees?

Let's answer that in following point (7-4)

### 7-3-1 Solar Planets Velocities

#### I – Data (Velocities)

$$1- \frac{\text{Venus Velocity}}{\text{Earth Velocity}} = \frac{\text{Moon Velocity}}{\text{Mars Velocity}} = \frac{\text{Neptune Velocity}}{\text{Pluto Velocity}} = 1.17 = A \quad (\text{Max error } 1.8\%)$$

$$2- \frac{\text{Mercury Velocity}}{\text{Venus Velocity}} = \frac{\text{Mars Velocity}}{\text{Ceres Velocity}} = \frac{\text{Ceres Velocity}}{\text{Jupiter Velocity}} = 1.355 = A^2 \quad (\text{Max error less } 1\%)$$

$$3- \frac{\text{Uranus Velocity}}{\text{Neptune Velocity}} = \frac{\text{Earth Velocity}}{\text{Mars Velocity}} = 1.239 = B \quad (\text{Max error } 1.6 \%)$$

$$4- \frac{\text{Saturn Velocity}}{\text{Uranus Velocity}} = 1.4263 = B^2 \quad (\text{Max error } 1.8 \%)$$

$$5- \mathbf{(B/A) = (B^2/A^2) = 1.0725} \quad (\text{Max error } 1.3\%)$$

## II- Discussion

I used solar planets in direct sequence to see the relationship between the planet velocity and his next neighbor...

As we have seen the rates are A or A<sup>2</sup>

Actually I have no explanation why only these 2 rates are used between the planets velocities..

**The information which we search for is the rate between A and B**

As we see in Equation No. 5, A = B and A<sup>2</sup> = B<sup>2</sup> but there's a rate 1.0725 between both which is found because of lorentz contraction...

We see it's the same rate in all equations

**7-4 Earth velocity =0.99 c**

Lorentz proper length equation

$$L_o = \frac{L}{\sqrt{1 - \frac{v^2}{c^2}}}$$

If  $v = 0.99c$  so

$$\frac{L_o}{L} = 7.09$$

But this result doesn't correspond with our rate 1.0725

So what's happened?

$$\frac{L_o}{L} = \frac{100}{100} + \frac{7.09}{100} = 1.072$$

What we have learnt from the previous equation

$v = 0.99c$

It's truth

But the description is incorrect

1.0725 is Not a rate between 2 distances ( $L_o/L$ )

But 1.0725 is a rate in the Equation

$$\frac{L_o}{L} = \frac{100}{100} + \frac{7.09}{100} = 1.072 \quad \text{i.e.}$$

$v = 0.99c$  is truth

but we need to modify our description to see clearly how this same velocity  $v = 0.99c$  effects because its effect can't be direct between 2 length but its effect is done through the Equation

$$\frac{L_o}{L} = \frac{100}{100} + \frac{7.09}{100} = 1.072$$

currently I can't modify the description, may be later  
any way we know now the velocity  $v = 0.99c$  is truth

**Earth velocity = 0.0001c**

We have discussed that in point No. 3 in this paper

### **8- Solar Planets Velocities Total (C<sup>2</sup> Production)**

In this point I'll add the solar planets velocities to each other to create a total velocity  
To do that we need 3 hypothesis

- 1- imagine the solar group as a box of gears, if any gear moves all the box move with it, by this description we imagine all solar planets velocities can be added to each to create a general velocity relative to the sun point because they all solar planets revolve in the same direction around the sun.
- 2- Assume that, Earth owns an Energy = 4C
- 3- Assume that 1 year of Earth Time = 1 day of Sun time  
i.e. 1 day on Earth = 237 seconds of sun time..

Let's see what will happen!

Solar planets move daily a distance = 17.6 million km (per day)

This is an energy i.e. a mechanical wave

This energy is sent toward the sun

Earth day = 237 second of sun time

i.e.

distance = 17.6 million km but time = 237 seconds, so what's the velocity?

Velocity = 17.6 million km / 237 second = 0.25 C (light velocity) (I)

Earth Owns Energy = 4C, so Earth will perform the following equation (Gerges Francis Equation)

$$\frac{1}{4} C \times 4C = C^2 \quad \text{(II)}$$

Where

C<sup>2</sup> is the Energy Source from which the sun is created

1/4 C Planets velocities total based on sun rate of time

4C Earth Energy

Please review this discussion in my previous paper

The Earth Moves with Light Velocity Relative to the Sun

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

We know the matter is an energy, means the sun can be matter created from this same energy C<sup>2</sup> but without the planets motions the sun will be disappeared

Let's examine our imaginary description, if it can be real!

- The main logic behind is the energy accumulation because of the different rates of time, By such way Earth average energy can produce a great energy.

We had 2 hypothesis here, let's examine each of both

1. Sun rate of time is different from Earth rate of time, 1 day on the sun = 1 year on the Earth. Special theory of relativity supports this idea and tells us if there's a difference in velocities near c velocity the rates of time should be different.. but we don't know the description!...what's the different velocity between Earth and Sun? Lorentz contraction tells there's v=0.99c but by what description? We don't know, Any way there's no theory prevent this hypothesis
- But why this is the rate? Why 1 day on the sun = 1 year on the Earth? I have 2 points refer to this rate

**1<sup>st</sup> point /**

Moon Circumference 10921km x 86400 seconds = 940 mkm Earth Orbital circumference...

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I do this research

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What do we understand from the previous equation?

If Earth revolves around the sun a complete revolution in one day only the moon circumference will be a distance of 1 second...

It's reference has no proof

**2<sup>nd</sup> point/**

Sun Circumference = 4.37 million km, let's suppose that the sun doesn't revolve at all but does only hesitating motion forward and backward yearly with angle 63.7 degrees... that means the moving part will be  $4.37 \text{ mkm} \times 0.637 = 2.58 \text{ million km}$

Earth moves this distance 2.58 mkm daily

i.e.

Earth moves yearly a distance = 366 times the Sun moving distance yearly

And this difference in rates of velocities causes the different in rates of time (still the description is not clear)

For full description please review

Earth moves with light velocity relative to the sun

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

**Appendix No. 1 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!!

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- **Nizhniy Novgorod –Russia**- The Russian Language  
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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

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- 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.
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**BEST REGARDS**

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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

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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

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**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 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

IN THE ALMIGHTY GOD NAME  
Through the Mother of God mediation

I do this research

# IELTS™

## Test Report Form

ACADEMIC

**NOTE** Admission to undergraduate and post graduate courses should be based on the ACADEMIC Reading and Writing Modules.  
GENERAL TRAINING Reading and Writing Modules are not designed to test the full range of language skills required for academic purposes.  
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

### Centre stamp



### Validation stamp



Administrator's Signature

Date 04/10/2016

Test Report Form Number

16EG005010GERG001A



The validity of this IELTS Test Report Form can be verified online by recognising organisations at <http://ielts.ucles.org.uk>



GOETHE-INSTITUT  
KAIRO/ALEXANDRIA  
المركز الثقافي الألماني

قسم اللغة  
Sprachabteilung in Kairo  
Sprachkurse und Pädagogische Verbindungsarbeit  
13 Sh. Hussein Wassef,  
Midan El-Missaha- Dokki  
Tel: 02/7484500 - 7484501 Fax: 02/3354702  
e-mail:sprache@cairo.goethe.org

## Teilnahmebescheinigung

Hiermit wird bestätigt, dass  
**Herr Gerges Francis Tawdrous,**  
geb. am 09.10.1974 in Kairo/Ägypten,

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

### Deutschkurs der Niveaustufe B2

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

teilgenommen hat.

Das Niveau des Kurses entspricht 600 Stunden Deutschunterricht.

Kairo, den 08.01.2007

Leiterin der Spracharbeit



[www.goethe.de/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 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>

The Solar Eclipse Geometry Basics

<http://vixra.org/abs/1509.0276>

The 2737 Egyptian Phenomenon & Its identical distance 2737 millions km

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

The Mars Data Analysis Proves the Rest Mass Concept is Unreal

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

The Solar Eclipse "The Gravitation Theory Puzzle"

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

All Manuscripts

<https://rudn.academia.edu/GergesTawadrous>

contacts

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Twitter <https://twitter.com/Gergesfrancis>