

The Time Definition

Solar System Geometry (Part 11)

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Abstract

- The Solar Planets motions are relativistic motions
- Earth real Velocity = $0.99 c$
- The time is an Energy
- Based on Relativistic Motions, the distances values can be seen as time values

i.e.

- **The time is equivalent for the distance**

(a development for the Special Theory of Relativity made by me)

- The Solar group geometrical structure depends on the time and Distance equivalence (based on relativistic motions), to create different rates of time, which enables the system to accumulate the Energy

Let's summarize this idea in following:

- Based on the solar group relativistic motions, time and distances values are equivalence
- 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

S. Virgin Mary Assumption into Heaven.

Written in Cairo – Egypt

29th May 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 ²⁴ 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 ³)	5427	5243	5514	3340	3933	1326	687	1271	1638	1830
<u>Gravity</u> (m/s ²)	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 ⁶ 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 ⁶ 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 ⁶ 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

In my previous paper "Solar Group Geometrical Structure"
<http://vixra.org/abs/1805.0081>

I suggested a theory of Matter Creation, and in this current paper I add **A Definition Of The Time** to support this theory, that's why both papers should be considered as a complementary to each other where both discuss the same theory.

Theory of matter creation claims the matter is a light beam, which we see as matter!
Also many proves were provided to support this claim!
But

What's the concept behind?

Theory of matter creation provides no new concept rather confirm only on the same concept we have learnt from theory of relativity

In fact the important Equation $E=mc^2$ tells us clearly that, **"Mass Is An Energy"**

So,

Why we need the theory of matter creation?

The theory main task is to reexamine our current descriptions

In fact I claim that, where the concept is correct, the description is mistaken

Let's discuss an example in following:

"Because we can't notice any fast velocity in solar group motions, so the solar motions are Not relativistic motions, so we can't expect any relativistic effect in the solar group"

This is the current description! Is it correct?

On what proves the people depend to suggest this description? On the direct observation!

Is it sufficient?

In my previous paper introduction I provided 11 equations expressing 22 solar orbital and internal distances, where the rate between these equations was the same constant = 1.075

I found these data deserved to explain! Why 22 distances (almost 50% of all solar distances) are rated by this same rate =1.075?

To solve this dilemma I suggested the following:

- 1- This rate is a result of lorentz contraction,
- 2- All these distances are light beams reflected from each other, so they had to be equal to each other.
- 3- But because half of these light beams were reflected in another frame they suffered from lorentz contraction and rated by this same rate 1.075...

(please review the previous paper)

Based on this description, the solar motions should be relativistic motions!

This discussion gives us a clear vision to see the advantage of Planets Data Analysis in comparison with the observation as astrophysics research methods...

Simply the direct observation alone is insufficient to understand the solar group geometry

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If the solar group motions are relativistic motions, that will change our description and vision toward the solar group..

But not only that,

We may have a chance to develop the Theory of Relativity (SR and GR)

In fact we should that in our discussion concerning "Time Definition".

Let's consider this point with more deep vision

Lorentz Equations tell us about many effects can be done for any particle moves with high velocity near to the light velocity in vacuum

No explanation is available why these effects are doing! We know the time dilation, length contraction and mass increasing, but no explanation for their reasons.

Also no explanation why the light velocity in vacuum is constant!

So, we can see that the theory needs to develop to find answers for these questions

But how can we develop the Theory of Relativity?

From what source SR theory is originated?

Special theory of Relativity is originated based on electrodynamics, as Einstein himself explained that he used the results of Maxwell- Lorentz theory

Now if the solar group motions are relativistic motions that will add another source for this same theory,

Now we'll have a mirror to test our ideas and to see how to develop the theory

This hard task we should do with the time definition in this paper..

This paper consists of :

- Point No. 3 Earth moves with 0.99 c
- Point No. 4 Definition of the Time
- Point No. 5 Jupiter Uranus Relationship

Research Methodology

I use the solar planets data analysis

Because I think

"Solar Planet Data shows his Geometrical Structure, Motion And Origin"

- As in Pythagoras right triangle, the numbers 3,4 and 5 are Not just numbers, they show the geometrical rule $3^2+4^2= 5^2$

But

- Solar Planet data analysis may give us another vision for the planet motion

Let's see one example to explain that in following..

Why!

The Moon Orbital Circumference (At Apogee) = Earth Daily Motion Distance?

Moon Orbital Cycle (27.3 days)

- The current theory tells us the moon revolves around the Earth one complete revolution each 27.3 days (moves daily 88000 km...)
- **My Theory tells That, The Moon revolves Around the Earth One Complete Revolution every day (moves daily 2.41 million km)**

Let's explain my theory

- The moon orbit apogee radius = 406000 km, its circumference = 2.58 mkm
- The Earth daily motion = 2.58 mkm
- **Let's suppose that, the Whole Moon Orbit rotates daily a complete rotation (360 degrees) with the Earth around her axis...,**

Why The Moon himself doesn't revolve around the Earth One Revolution Daily?

- The Moon himself revolves A Complete Revolution Daily Around The Earth **IN THE OPPOSITE DIRECTION** To His Orbit Motion, and for that the moon doesn't be taken in his orbit motion with the Earth
- The Moon orbit circumference (at average radius 384000km) = 2.41 million km (where the moon doesn't move always with apogee radius)
- The apogee orbit circumference= Earth motion daily = 2.58 mkm,
- The difference is 0.17 mkm, which causes **The Moon Daily Actual Displacement** ...
- The Moon Actual Displacement Daily Is 88000 km= 1/2 of the velocities difference, because the opposite directions of the motions cause friction for the moon pulling process by his orbit velocity, resulting an actual distance = 1/2 the velocities difference.
- (Note, The moon orbit regresses yearly 19 degrees - Metonic Cycle Facts)

Does it explain "Why the moon orbit circumference = Earth daily motion"?

Let's summarize the whole idea

- 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.
- The providing hypothesis and ideas can be accepted only if they found support from the solar planets data and motions.

3-Earth moves with 0.99 c

- 3-1 introduction
- 3-2 Solar Planets Velocities
- 3-3 Lorentz Contraction 7.25
- 3-4 Earth velocity =0.99 c
- 3-5 Earth velocity = 0.0001c
- 3-6 Moon Cycle Discussion
- 3-7 Solar Planets Velocities Total
- 3-8 inner planets electric attraction
- 3-9 Mass Distribution

3-1 Introduction

We aim basically in this point to prove that

"There's a difference in velocities = C velocity between 2 motions in the solar group"

i.e.

there's some point in the solar group moves with c velocity relative to another point in the solar group, and this difference in velocities creates the relativistic effects which we find by planets data analysis..

we here depend on the data analysis and not on the direct observation...

here I should provide all possible data, because I need a real proof for my claim...

let's summarize our main idea clearly as possible in following:

Because we can't observe the velocity of light c by which some solar group elements move, we depend on these same elements data to find out the relativistic effects of this same motion, and if we find these relativistic effects of this motion, that will be a crucial proof that these elements move with c velocity.

3-2 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 A²

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 A² = B² but there's a rate 1.0725 between both which is found because of lorentz contraction...

We met this rate before with the solar planets distances

Let's remember it here to see more clearly our claim

Note Please

- We should discuss the planets velocities later because the velocities give us more puzzles adding to this information concerning the rate 1.0725,

- For example/

- 1 million km x 2Π = Mercury velocity daily x Ceres velocity daily = Venus velocity daily x Mars Velocity daily = Earth velocity daily x Moon orbital circumference

- Ceres orbital distance 413.7 mkm and his orbital period 1680 days

3-3 Lorentz Contraction 7.25

Let's remember here the lorentz contraction equations which we have discussed in the previous paper...

I – Data (Distances)

1st-	$\frac{\text{Earth Daily Motion } 2.58 \text{ mkm}}{\text{Moon Orbital Circumference } 2.41 \text{ mkm}} = 1.0725$	(No Error)
2nd-	$\frac{\text{Apogee orbital radius } (406000 \text{ km})}{\text{Total Solar Eclipse radius } (378500 \text{ km})} = 1.0725$	(No Error)
3rd-	$\frac{778.6 \text{ mkm Jupiter Orbital Distance}}{720.3 \text{ mkm Jupiter Mercury distance}} = 1.0725$	(0.7%)
4th-	$\frac{720.3 \text{ mkm Jupiter Mercury distance}}{670 \text{ mkm Jupiter Venus Distance}} = 1.0725$	(No Error)
5th-	$\frac{670 \text{ mkm Jupiter Venus Distance}}{629 \text{ mkm Jupiter Earth Distance}} = 1.0725$	(0.6%)
6th-	$\frac{629 \text{ mkm Jupiter Earth Distance}}{586.5 \text{ million km}} = 1.0725$ / $\frac{586.5 \text{ million km}}{550.7 \text{ mkm (Mars Jupiter Distance)}} = 1.0725$	
7th-	$\frac{\text{Jupiter Orbital Circumference } (4894 \text{ mkm})}{\text{Neptune Orbital Distance } (4495.1 \text{ mkm})} = 1.0725$	(Error 1.5 %)
8th-	$\frac{\text{Saturn Orbital Distance } (1433.5 \text{ mkm})}{\text{Saturn Venus Distance } (1325.3 \text{ mkm})} = 1.0725$	(Error 0.8%)
9th-	$\frac{\text{Saturn Earth Distance } (1284 \text{ mkm})}{\text{Saturn Mars Distance } (1205.6 \text{ mkm})} = 1.0725$	(Error 0.7%)
10th-	$\frac{\text{Saturn Earth Distance } (1284 \text{ mkm})}{\text{Saturn Mars Distance } (1205.6 \text{ mkm})} = 1.0725$	(Error 0.7%)
11th-	$\frac{\text{Uranus Orbital Distance } (2872.5 \text{ mkm})}{\text{Uranus Mars Distance } (2644 \text{ mkm})} = 1.0725$	(Error 0.7%)

II- Discussion

Let's remember our discussion about the rate 1.0725

1st question why these distances should be equal?

Because they are light beams reflected from each other

2nd 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

3rd 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

4th 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 ..

5th 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

3-4 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

$$\frac{L_o}{L} = 7.071$$

But this result doesn't correspond with our rate 1.0725
So what's happened?

$$\frac{L_o}{L} = \frac{100}{100} + \frac{7.071}{100} = 1.072$$

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

$$\frac{L_o}{L} = \frac{100}{100} + \frac{7.071}{100} = 1.072$$

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

$$\frac{L_o}{L} = \frac{100}{100} + \frac{7.071}{100} = 1.072$$

currently I can't modify the description, may be later

any way we know now the velocity $v = 0.99c$ is truth

3-5 Earth velocity = 0.0001c

Let's discuss deeply

In previous point we found that $v = 0.99c$

$$c - v = 0.01c$$

$$(0.01c)^2 = 0.0001 = \text{Earth real velocity (30km/s)}$$

What does that mean?

$v = 0.99c$ and Earth real velocity is complementary velocities to each other both together produce c velocity..

I can claim that

- $v = 0.99c$ is Earth hidden velocity which we don't see
- $v = 0.01c$ is Earth seen velocity

Both of them passes through lorentz Equation $(v/c)^2$

To be seen by us

So

- The first velocity produces Lorentz contraction effect with rate 1.0725
- The second velocity produces Earth seen velocity (0.0001c)

I wish the argument is clear and trustee

We still don't understand the mechanism or the real description but the data gives us the strongest proof that both velocities are found and their total $= c$ velocity...

3-6 Moon Cycle Discussion

Let's discuss the moon Cycle as an example to see if our previous proves are strong enough to support our claim that the solar motions are relativistic

Moon Cycle 27.3 days

The current theory tells us the moon average orbit circumference =2.41 million km and moon revolves this orbit in 27.3 days moving daily 88000km

Of course the moon have to move 2.58 million km daily = Earth motion daily otherwise they will be separated from each other

The moon apogee orbital circumference =2.58 million km = Earth daily motion

this data and description is provided by the current theory..

easily we see no connection between them

please read them again to see how the picture is distorted

this situation is relativistic one that's why its data is inconsistent

What's the real event?

- The moon move with the Earth daily in the same direction and by the same distance 2.58mkm
- The moon moves in another frame relative to us that's why we see his distance under Lorentz contraction 2.41 mkm and in opposite direction
- The moon orbit is owned by the Earth and moves with her by same velocity, so the moon orbit moves 2.58 mkm daily
- For that reason the moon himself moves daily in opposite direction to his orbit motion
- The moon orbit motion daily =2.58 million km and the moon motion daily = 2.41 mkm, the difference = 0.17 mkm which causes the moon daily displacement which we see in the sky. (8800 km = $1/2 \times 0.17\text{mkm}$)

Discussion

The previous Example gives us a great support

I try to explain that, the situations which we consider are controlled by Newton Mechanics actually these same situations are controlled by relativistic motions and Mechanics,

How can we reach this conclusion?

By solar planets data analysis

3-7 Solar Planets Velocities Total

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 = $4C$ (will be explained in next point)
- 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?

$$\text{Velocity} = 17.6 \text{ million km} / 237 \text{ second} = 0.25 C \text{ (light velocity)} \quad (\text{I})$$

Earth Owns Energy = $4C$, so Earth will perform the following equation

$$4C \times 0.24C = C^2 \quad (\text{II})$$

C^2 is the Energy Source from which the sun is created

We know the matter is an energy, means the sun can be matter created from this same energy C^2 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

1st point /

Moon Circumference $10921\text{km} \times 86400 \text{ seconds} = 940 \text{ mkm}$ Earth Orbital circumference...
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

2nd 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)

Please review my paper

Earth moves with light velocity relative to the sun

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

2. Earth owns Energy = $4C$ we should discuss that with Mass distribution (next point)

The Main Equation (Gerges Francis Equation)

$$0.24 C \times 4 C = C^2$$

We should see this equation clearly because C^2 is the main source in the solar group

We find this energy C^2 frequently and repeatedly

3-8 Inner Solar Planets Electric Attraction

- Pair production (Anderson Experiment) produces electron and positron from Gamma Rays 1.2 Mev (Electron Mass = Positron Mass)

- Earth Mass = total Masses of (Mercury + Venus + Moon + Mars) - **error 0.9%**

In numbers

- **Earth Mass = 5.97×10^{24} kg** **The four planets masses = 5.92×10^{24} kg**

Let's suppose the following

- **Earth is A great Electron**
 - o That means Earth atom has nucleus with a positive charge and there are negative charges revolve around this nucleus
- **The four planets together form A great positron**
 - o That means their atoms has nuclei with negative charges and there are positive charges revolve around this nucleus

- **This idea is suggested because of 2 masses equality**

That means

- **The attraction here depends on electric charges and NOT on the Gravity**

This Idea I suggested from long time (Solar System Geometry Part I)

But the question was

How the rest planets move if there's no gravity?

Let's see the Masses distribution may that can help us to answer this question

3-9 Solar Planets Masses Distribution

The main idea

- The mass is Not a particle property but distributed according to the geometrical structure, means the geometrical structure defines the points on which the masses should be found to support the geometrical structure, then these masses are created on these points by the geometrical structure....

i.e. The Geometrical Designing is the Master NOT the Mass

For that reason the solar planets masses are **found based on Each other**

means Each Planet Mass is related to other planets masses

No mass is independent

All of them are found based on the geometrical design evaluations

Let's remember some equations support this claim

I- Data

$$\text{1st- } \frac{\text{Satrun Mass}}{\text{Moon Mass}} = \frac{\text{Neptune Mass}}{\text{Pluto Mass}} \quad (\text{No Error})$$

$$\text{2nd- } \frac{\text{Jupiter Mass}}{\text{Earth Mass}} = \frac{2 \text{ Neptune Mass}}{\text{Mars Mass}} \quad (\text{No Error})$$

$$\text{3rd- } \frac{\text{Earth Mass}}{\text{Mercury Mass}} = \frac{\text{Uranus Mass}}{\text{Venus Mass}} \quad (\text{Error 1.5\%})$$

$$\text{4th- } \frac{\text{The Sun Mass}}{\text{Satrun Mass}} = 2 \times \frac{\text{Satrun Mass}}{\text{Mercury Mass}} \quad (\text{Error 1.6\%})$$

$$\text{5th- } \frac{\text{Jupiter Mass}}{\text{Earth Mass}} = \frac{\text{Neptune Mass}}{\text{Mercury Mass}} \quad (\text{Error 2.8\%})$$

$$\text{6th- } \frac{\text{Neptune Mass}}{\text{Inner Planets Masses Total}} = \frac{\text{Mars Mass}}{\text{Moon Mass}} \quad (\text{Error 2.4\%})$$

$$\text{7th- } \frac{\text{Inner Planets Masses Total}}{\text{PLuto Mass}} = \frac{\text{Satrun Mass}}{\text{Mars Mass}} \quad (\text{Error 2.4\%})$$

$$\text{8th- } \frac{\text{Outer Planets Masses Total}}{\text{Neptune Mass}} = \frac{\text{Mercury Mass}}{\text{Pluto Mass}} \quad (\text{Error 2.5\%})$$

$$\text{9th- } \text{Earth Mass} = \text{total masses of (Mercury+ Venus +Mars+ Moon)} \quad (\text{No Error})$$

$$\text{10th- } \text{Neptune Mass} = \text{total masses of (Uranus +Inner solar planets +Pluto)} \quad (\text{Error 3\%})$$

II- Discussion

The previous equations tell us that the mass can't be independent, but it's created based on other planets masses

3-9-1 Theory Of Matter Creation And Mass Distribution

The question is

If the matter is a light beam (bright fringes produced by light coherence) according to the theory of Matter Creation, How can we understand pair production (Anderson Experiment)? How electron and positron can be produced from Gamma rays if the matter is a light?

Let's remember theory of matter creation

Why we see the light beams as matters?

Because our mind works by light velocity, so the velocity of light = our mind operation velocity

So, any light beam moves with c velocity will be seen by us as matter..

But

If the object moves very slow to us we will see it as light beam because there's a difference in velocity = C velocity

i.e.

Gamma rays move very slow relative to us that's why we see it as light beam

What did Anderson in his experiment?

he accelerated Gamma rays to move with our velocity, and when Gamma rays move with our velocity we see it as matter (electron and positron)

So, Anderson Experiment (pair production) basically worked to accelerate Gamma rays velocity...

But the acceleration produced 2 matters, it's very important.... The light beam is divided into 2 parts (electron and positron) so the acceleration causes the Energy division, but we know Energy = Mass, that means the acceleration causes the Mass division

Now let's try to distribute the Solar Group Masses in following

3-9-2 The Mass Distribution

- Solar Group total Mass = 2667×10^{24} kg

We suppose this mass moves with velocity less than C Velocity

Let's start

This mass will get some acceleration to move with c velocity, that will cause to divide the mass

- 2667 will be divided into
 - o 1898 $\times 10^{24}$ kg with c velocity (Jupiter Mass)
 - o 568 $\times 10^{24}$ kg with c velocity (Saturn Mass)
 - o 200 $\times 10^{24}$ kg with c velocity

The Value 200 will get some acceleration to move with Velocity 2C, that will divide it

- 200 will be divided into
 - o 100 $\times 10^{24}$ kg with 2c velocity (Neptune Mass) –error 2%
 - o 100 $\times 10^{24}$ kg with 2c velocity

The Value 100 will get some acceleration to move with Velocity 3C, that will divide it

- 100 will be divided into
 - o 88 $\times 10^{24}$ kg with 3c velocity (Uranus Mass) –error 2%
 - o 12 $\times 10^{24}$ kg with 3c velocity

The Value 12 will get some acceleration to move with Velocity 4C, that will divide it

- 12 will be divided into
 - o 5.97 $\times 10^{24}$ kg with 4c velocity (Earth Mass)- **The Great Electron**
 - o 4.87 $\times 10^{24}$ kg with 4c velocity (Venus Mass)- **The Great Positron**
 - o 0.682 $\times 10^{24}$ kg with 4c velocity (Mars Mass)-
 - o 0.33 $\times 10^{24}$ kg with 4c velocity (Mercury Mass)-
 - o 0.073 $\times 10^{24}$ kg with 4c velocity (Moon Mass)-
 - o 0.0131 $\times 10^{24}$ kg with 4c velocity (Pluto Mass)-

Error in total 0.9%

3-9-3 Discussion

Why the previous distribution of Masses may be real!

Let's consider that deeply

- Earth Mass is divided with $4c$ according to this distribution, and we need this $4c$ in the main equation $0.25C \times 4C = C^2$ which we have discussed in point 3-7 so there are 2 different data tell the same word... May there's truth behind!
- The Energy $4c$ we actually need completely, because in previous paper I explained that Jupiter sends his energy which was a light beam his velocity $=1.16\text{mkm}$, and we have seen many data support this value...now $4c = 1.16 + 0.04$ (Earth Circumference) (i.e. Jupiter Energy in fact comes from the Earth)
- Actually the value $4c$ is more a real one because, if we consider Earth second $= 40080$ seconds of Jupiter time! That mean $4c = 40080\text{s} \times 30\text{km/s}$ (Earth real velocity)...this point we should discuss with Time Definition

I want to say that, the data is real but found under covers... our daily experience prevent us to see deeply how the solar group machine works...

And this problem is the Special theory of Relativity problem, also

Note Please

Solar Mass distribution I wrote in many of my paper and even in my previous one, The explanation was different from this one I wrote here

I wish the reader will be not upset from that,

Actually this is the method by which I do this research

I provide in the papers all data whether this data has explanation or not, and even if the explanation is not clear or not trustee I wrote it any way

There's 2 reasons for that

- 1- I want to provide all available data may any one can use in more progress performance
- 2- I wrote my explanation as a model to explain the data, so the wrong explanation and even the correct one all of them are available to test and any one can provide alternative answer for the same question
- 3- Any way, the explanation is provided for question and not to suggest idea, all my work I tried to explain the puzzled data and wrote my answers as models in place of to consider the puzzled data as pure coincidences..

4- Definition of the Time

- 4-1 General Discussion
- 4-2 Time Definition
- 4-3 Solar Group Geometrical Design
- 4-4 Solar Group Geometrical Design
- 4-5 The main Idea Summary
- 4-6 Space time Structure

4-1 General Discussion

What's the time? How can we define it?

What methods we have to do that? Actually we have 2 methods

1st method / Light velocity equation

2nd method/ the solar group data

Let's try with each of both

I- Light velocity equation (1st method)

$$X = CT$$

Distance = times multiplies with light velocity...

If $C=1$

So

time will be equivalent to the distance!

What does mean the time is equivalent to the distance?

Our daily experiences cause serious difficulty to accept such idea

But this idea –if we can prove- will be an addition to the special theory of relativity

i.e.

a development for SR theory

let's explain the idea and later provide the proof

If Energy (or particle) moves with c velocity, the following features will be occurred

1. The mass increasing
2. The time dilation
3. The length contraction

4. The time values will be seen as distances values

Point No. 4 is my contribution to develop the Special Theory of Relativity (Gerges Francis Tawdrous contribution)

II- The Solar Group data (2nd method)

Solar group data tells us that the time and distance values can be equivalent in specific situations

i.e.

not all distance values can be seen as time values but just some of them (depending on the observer position and case)

let's consider one example to explain that

25920 years is the Cycle of Precession

It's known Cycle

(Earth Axis needs 25920 to rotate a complete rotation around himself)

But

25920 million km = the distance passed by the light his velocity 0.3mkm/sec during one complete day 86400 second

Also

25920 million km= 17.76 solar planets total velocities per day x 1461 days (earth 4 years Cycle)

(25920 is the distance moved by all solar planets during 1461 days)

So we see the same number in 2 different units (one in time and the other is distance)!

That's my idea

This effect is happened because the solar group motions are relativistic motions

Einstein couldn't conclude this effect when he formed Special Theory of relativity because he used the electrodynamics, so he limited to C velocity as the SR main hypothesis tells, so he has no motion depends on c velocity

i.e. in the equation

$$x = ct$$

$$c \text{ never be } = 1$$

$$\text{so } x \text{ never be } = t$$

This effect or feature we concluded because we use the solar group data analysis
(the time will be equivalent to the distance when you move with c velocity)

III- More Explanation

Let's take a look at the planets velocities again here

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 claimed that between A and B there's a rate 1.0725 which refer to Lorentz contraction
Also between A^2 and B^2 this same rate is found

I claimed that equations 3 and 4 refer to lorentz contraction relative to the others

That means, the contraction is happened with part of the velocities and not with all velocities

i.e.

the relativistic effects are not general to the whole group but effect on part of the group
this part is defined according to the observer situation
so when we change our situation this same effects will change accordingly

that means

Not all distances values can be time values and vice versa

But just some of these values according to the observer situation

Let's see an example for explanation

IV- Example for Explanation

Saturn orbital distance =1433.5 million km

I claim this distance is the main measurement for the solar group distances

Let's explain that in following

- Saturn Orbital Distance =1433.5 mkm
 - o Mars Orbital Circumference = Saturn Orbital Distance
 - o Mercury Jupiter distance = 1/2 Saturn Orbital Distance
 - o Uranus Orbital Distance = Saturn Orbital Distance x 2
 - o Neptune Orbital Distance = Saturn Orbital Distance x Π
 - o Saturn Pluto Distance = Neptune Orbital Distance

The previous data may support my claim

Now let's assume that the value 1433.5 mkm is transformed to be 1433.5 days

Let's see what will happen

The new value is **1433.5 days**

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

All solar planets real velocities performed real distances in the solar group except Uranus!
Can all these data be "pure coincidences"?

Let's first see How the 1433.5 mkm can be 1433.5 days

i.e. 1 day = 1 mkm

- The moon orbit regresses 19 degrees yearly causes the eclipse cycle to regress by 19 days, means 1 day = 1 degree
- Mercury orbital Circumference = 364 mkm and his degrees = 360 degrees i.e. 1 degree = 1 mkm (approximately)
- Now if 1 degree of the moon orbit = 1 Degree of the Mercury Orbital Circumference we will perform our goal.....how these 2 values can be equal...? If the solar group is one machine it's possible to perform this equality
- So the mechanism by which 1 million km = 1 day is Not clear before us because we don't understand the solar group main description

4-2 Time Definition

What's the time?

The time is an Energy,

Because the time is equivalent to the distance

And in the previous paper, we have defined the distance as an Energy

4-3 Solar Group Geometrical Design

The time is equivalent to the distance!

What does that mean?

What time is equivalent to what distance?

Now we have a distance = 1 million km, and this distance will be a time

What time will be produced?

Let's find some help from the solar group data

I-Data

Distance = 1 million km

- 1 mkm = 1 second, this rate we have found with the distance 86400 mkm which we discussed deeply in previous paper
- 1mkm= 1 minute, this rate is found with Saturn orbital Distance 1433.5 mkm which equal 1434 minutes (Earth rotation period)
- 1mkm = 1 hour, this rate is found with Jupiter Saturn distance (655.7 mkm) which equal moon sidereal month
- 1mkm= 1day, this rate is found with Mercury Orbital circumference 364 mkm, which equal earth orbital period 365.25 days
- 1mkm= 1 week, this rate in found with Mercury Venus distance 50.3 mkm, which equal sidereal Moon year 352.5 days
- 1mkm=1 month this rate is found with Mars orbital distance 228 mkm, which equal Metonic Cycle (12months x 19 years)
- 1 mkm=1 year this rate is found with the Cycle 25920 years we discussed before
- 1 mkm = 1 Earth Cycle (1461 days), this rate is found with the cycle 2736 years which equal the distance 680 mkm (Venus Orbital Circumference)

What do we understand with the previous data?

II-Discussion

The previous data tells us one new clear information

The solar group geometry makes the distances to be unified, 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 andetc

So, how to understand this conclusion?

Yes the distance has different rates but no cycle makes this rate to be shown

The time different rates have cycles in the solar group to make this 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, cubesetc

4-4 Solar Group Geometrical Design

The previous notice 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

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

4-5 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
- Also by this same method the Earth produces an energy $=4c$ and sends this energy to Jupiter in form a light beam his velocity $=1.16\text{mkm/sec}$, where Jupiter uses this energy in his process as we have explained in the previous paper

Solar Group Geometrical Structure

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

4-6 Space time Structure

I claim that spacetime is coordinate made of energy

That means

- The time is an Energy
- The Distance is an Energy
- The Mass is an Energy

For that reason Spacetime should explain all this values

i.e.

Spacetime should define the mass as he does for the time and distance

But this claim we should discuss in another paper

5- Jupiter Uranus Relationship

5-1 Introduction

5-2 Uranus Position in Solar Group

5-3 Uranus Axial Tilt (Cyclic Number)

We didn't study Uranus in previous paper although I referred to Uranus Axial tilt in page No. 48 to be discussed but there had no room to do that, so we may have chance here to discuss many facts concerning Uranus.

Let's start

5-1 introduction

Uranus is the first born from the main energy C^2

That's why Uranus is most important planet in the group

$C^2 = \text{Uranus orbital distance} \times (\text{Uranus Axial Tilt} / \text{Jupiter Axial Tilt})$ (5-1)

We should keep this Equation (5-1) by heart

Let's explain it shortly and later we should return to it again

- $C^2 = (\text{the distance passed by light in 1 second})^2$
- Uranus Axial Tilt = 97.8 degrees = Π^4 (cyclic Number)
- Jupiter Axial Tilt = 3.1 degrees = Π (cyclic number)
- $\Pi^4 / \Pi = \Pi^3$

That means, Uranus and Jupiter have a unified motion together creating this value Π^3 to use
That means when we find this value Π^3 in any solar planet data, we should consider this data caused by Jupiter Uranus relationship

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

5-1-1 The Sun Creation

$\Pi^3 \times 1$ million km = The Sun Circumference (4.37mkm) $\times 7.1$

- 7.1 is very near to 7.25 degrees (sun inclination on ecliptic)
- 1 million km is used to create Jupiter and mercury diameters (please review -Solar Group Geometrical Structure page 36- <http://vixra.org/abs/1805.0081>)

Again I don't know by which description this process is done

We know that

- Jupiter is effective on the sun creation because Sun diameter = Jupiter diameter $\times \Pi^2$

And

- We know that, the sun creation depends on Lorentz contraction with value 7.25%,
- The planets velocities (page No.7 of this paper) tells us that Uranus, the moon and Mars all of them are found in another frame (because their velocities equations have a rate 1.0725 with the other planets velocities equations)

Can these data support the Sun Creation Equation...

The real description can answer this question.

5-2 Uranus Position in The Solar Group

Let's try to define the areas between Uranus and other planets

$$A \text{ (area)} = \Pi (R^2 - r^2)$$

R= radius of far planet to the sun

R= radius of near planet to the sun

If we performed all calculations we will reach to the following:

- 1- Area between Jupiter and Uranus = (Jupiter orbital Circumference)²
- 2- Area between Saturn and Uranus = (Saturn Pluto Distance)²
- 3- Area between Mercury and Uranus = (Jupiter Pluto Distance)²
- 4- Area between Uranus and any other inner planets will perform Mercury result with higher error
- 5- Area between Uranus and any other outer planet (Neptune or Pluto) will perform a distance more than 6000 km which isn't defined in the solar group

Let's provide the calculations to be sure of these results, then we should discuss it

The Calculations

1-

$$\begin{aligned} \text{Area between Jupiter and Uranus} &= \Pi (R^2 - r^2) \\ &= \Pi (2872.5^2 - 778.6^2) = 24039885.6 \times 10^{12} = (4903 \times 10^6)^2 \end{aligned}$$

4903 mkm = Jupiter orbital Circumference –no error

2-

$$\begin{aligned} \text{Area between Saturn and Uranus} &= \Pi (R^2 - r^2) \\ &= \Pi (2872.5^2 - 1433.5^2) = 19474192.6 \times 10^{12} = (4413 \times 10^6)^2 \end{aligned}$$

4436.5 mkm Saturn Pluto Distance (error 0.5%)

4437.9 mkm Mercury Neptune Distance (error 0.5%)

3-

$$\begin{aligned} \text{Area between Mercury and Uranus} &= \Pi (R^2 - r^2) \\ &= \Pi (2872.5^2 - 57.9^2) = 25921947 \times 10^{12} = (5091 \times 10^6)^2 \end{aligned}$$

5091.4 mkm Jupiter Pluto Distance – no error

5-2-1 The Discussion

What do we learn from the previous data?

I conclude the following:

- 1- Uranus Position is created based on the 1st Equation relating to Jupiter orbital Circumference
- 2- Uranus is a central Point between Jupiter and Saturn
- 3- Uranus works to unified Jupiter and Saturn energies in Pluto Point
- 4- Jupiter Uranus relationship is the base on which the sun is created

Note

- Uranus is The Planet responsible for the Cycles periods in the solar group
- Neptune is The Planet responsible for the distances in the solar group
- The period (time) works as a distance or a distance works as a period this process is done by the cooperation between Uranus and Neptune

This point may we discuss later

5-3 Uranus Axial Tilt (Cyclic Number)

- 97.8 degrees (Uranus Axial Tilt) /0.8 Uranus Orbital inclination = 122.5 degrees (Pluto Axial Tilt)
- 97.8 degrees (Uranus Axial Tilt) x 5.2 the Moon Orbital inclination = 511.1 degrees

(511.1 total solar planets axial tilts)

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

1- Introduction

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

I called this phenomenon

"The 2737 Egyptian Astronomic Phenomenon"

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

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

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

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 3rd December 2012 for the third time, so the Number 8211 years is important number for human life or at least for the pyramids age.
- ❖ **Fourth**, I may claim that the Pyramids builders built the three Pyramids specifically for the 2737 Egyptian phenomenon.
- ❖ **Note:** The Great Pyramid Height is 5776 Egyptian inches = the distance between the Sun & Pluto (each inch = 1 million kilometer)

1ST SECTION

Why the Lunar year doesn't correspond with the sidereal year at any cycle?¹

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 year²

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

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

² - Total Solar Eclipses and how to Observe them- Martin Mobberley- page. 11

2ND SECTION

The Basic Lunar Year 360 Days

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

But there's another year related to the moon,

In this year we should added the modified year 354.1818 to the difference of days caused by the lunar orbital inclination which was 5.8 days approximately

So $5.8 + 354.1818 = 360$ days approximately

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

The Basic Lunar Year

Now we have three types of years

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

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

3RD SECTION

The 2737 Egyptian Astronomic Phenomenon depends on Metonic Cycle

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

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

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

IN THE ALMIGHTY GOD NAME
Through the Mother of God mediation

I do this research

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

The Previous Table Study classified into 2 parts

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

- 1- **Each 32 Metonic Cycles** the last day of modified lunar year (equals 354.1818 days) corresponds with the last day of Metonic cycle which is the Sidereal Year last day where the lunar modified years equal 627 lunar years that equals 608 sidereal years perfectly.
- 2- The difference days between the Modified lunar year with the Metonic Cycle moves in Cycle and decreases as following (66.4- 55.33- 44.26- 33.19- 22.126- 11.0558 – 0.00 days) at 98 years interval (98 modified Lunar years – which equals 354.1818 days)
- 3- The modified Lunar years number for each Metonic Cycle shown in the table, and I found the following Modified Lunar Year order "**19-20-19-20-19-20**" repeats once with each Cycle consist of 627 modified Lunar year
 - a. That means with the last day of the Metonic Cycle No. 32 which equals 608 Sidereal Years but equals 627 Modified lunar year. after this Cycle ends, and starts the new one the modified lunar year order 19-20-19-20-19-20 will repeat once again as a mark for the new Cycle starting (this order in table marks by Gray color)
 - b. We can call the Metonic Cycle no. 32 a Cycle for the modified Lunar year with the Metonic Cycle (this Cycle in Table remarked by Yellow)

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

- 1- We see in the table the day common fractions spread through the cycles but these fractions unify to be one day each 4th Metonic Cycle which equals 76 Sidereal years (that similar to the Sidereal Year, 3 years equals 365 days and the 4th year is 366 days).....
- 2- but after 4th Metonic Cycle the last day of Basic Lunar year (which equals 360 days) doesn't correspond the last day of the Metonic Cycle because there are 39 days addition to the Basic Lunar years (means 76 Sidereal years = 77 Basic Lunar Years +39 days). And with the following cycles this number increases regularly by addition 39 days each 76 Sidereal years. (so after more 76 years we finds at the 8th Metonic Cycle 154 Basic Lunar Year + 78 days.... And that continues)
- 3- But at Metonic Cycle No. 40th which equals 760 Sidereal Years we find this number equals 771 Basic Lunar years + **29 days**, and that means the rest days **decreased**

from 39 days to be 29 days during period (760 Sidereal Years -76 Sidereal years = 684 years) and this is the difference between the Metonic Cycle No. 4 and Metonic Cycle No. 40...and all that says... **EACH 684 SIDEREAL YEARS, THE REST DAYS DECREASE 10 DAYS**

- 4- Now we know that 39 days prevented the basic lunar year to end in the same day with the 4th Metonic Cycle, and we know this period 39 days decreases by 10 days each 684 sidereal years, and that means we need four Cycles which will decrease the 39 days to be (-1 day) which is the most near to the metonic Cycle.
- 5- Now we need 4 Cycles of the period 684 years where **These 4 Cycles Equals 2736 Sidereal Years**
- 6- And based on that the 2736 Phenomenon was a Metonic Cycle and this period was needed to Correspond the Basic Lunar year with the last day of Metonic Cycle (the Basic Lunar Year equals 360 days – the bible year which no one considers in modern life)
- 7- Now we saw 39 days which found in Metonic Cycle No. 4, have decreased as (10/10/10/9) at interval 684 Sidereal years for each 10 days, by that we found the 2737 Egyptian phenomenon for which we researched,
- 8- But still there are two questions, first about the number because we got the Cycle of 2736 Sidereal Years and not 2737 Sidereal Years, and the second question about the last day we need because 39 equals (10/10/10/9) and the decreasing **EACH 684 years equals 10 days** and that means the last cycle will have -1 day

We still have 2 question to answer respectively

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!!

AUTHOR CURRICULUM VITAE

Freelance Translator

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EDUCATION

(All Certificates
Are Attached)

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

LANGUAGES

I provide the following translation

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

SERVICES

WORK EXPERIENCE

- I have worked as freelance translator since 2003 till now, so I gained a great expertise in different fields.
- I achieved special experience in the legal, economic & technical fields, So I provide the perfect translation for the contracts, agreements, memorandums, specifications, laws, decrees, ...etc.
- I provide the English authenticated translation (acceptable by all courts, official organizations and the foreign embassies)

COMPUTER SKILLS

I am an experienced computer user, I work with MS Office (Word, Excel, etc.), Reader, Adobe Acrobat (full), WinZip, WinRar, etc.

PERSONAL DATA

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

BEST REGARDS

IN THE ALMIGHTY GOD NAME
Through the Mother of God mediation

I do this research

РОССИЙСКАЯ
ФЕДЕРАЦИЯ



г. Москва

ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ
БЮДЖЕТНОЕ ОБРАЗОВАТЕЛЬНОЕ
УЧРЕЖДЕНИЕ ВЫСШЕГО
ПРОФЕССИОНАЛЬНОГО ОБРАЗОВАНИЯ

«Российский университет
дружбы народов»

АКАДЕМИЧЕСКАЯ
СПРАВКА

АВ 3048222

5429/н

(регистрационный номер)

11 сентября 2012

года
(дата выдачи)

Фамилия, имя, отчество

Гергес Фрэнсис Тавдрус Гергес

Дата рождения **09 октября 1974 года**

Предыдущий документ об образовании

Сертификат о полном среднем образовании, 1994 год, Египет

Вступительные испытания **прошел**
Поступил (а) в

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

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

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

Направление/специальность **Физика**

Специализация **не предусмотрена**

Курсовые работы:

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

Практика:

не проходил

Итоговые государственные экзамены:

не сдавал

Выполнение выпускной квалификационной работы

не выполнял

Продолжение см. на обороте

Ректор

Декан

Секретарь



Документ содержит количество листов:

Лист №1

Государственное образовательное учреждение
высшего профессионального образования
Российский университет дружбы народов

ЗАЧЕТНАЯ КНИЖКА № 1032104509

Гергес Франсис Тавдрус Гергес
(фамилия, имя, отчество)

Египет
(Гражданство)

Физ.-мат.
(факультет)

НФ6+Д
(Специальность)

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

Личная подпись студента
01.11.2010
Дата выдачи зачетной книжки

(Подпись)
(Проректор)

(Подпись)
(Декан факультета)

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

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

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

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

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

ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ОБРАЗОВАНИЮ



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

СЕРТИФИКАТ

О ПОДГОТОВКЕ К ПОСТУПЛЕНИЮ В ВУЗ
(ПРЕДВУЗОВСКОЙ ПОДГОТОВКЕ)

Настоящий сертификат выдан в том, что

Гергес Фрэнсис Тавдроус Гергес

(*Gerges Francis Tawdrous Gerges*)

Гражданство, дата рождения

Egipet, 09.10.74.

Успешно завершил(а) курс предвузовской подготовки

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

Сертификат о законченном полном среднем образовании

Поступил(а)

23. 11. 2007 г.

на подготовительное отделение факультета иностранных студентов

Завершил(а) обучение

20. 06. 2008 г.

Профиль предвузовской подготовки:

естественнонаучный

РЕЗУЛЬТАТЫ ПРЕДВУЗОВСКОГО ОБРАЗОВАНИЯ

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

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

Всего:

1198 (1770)

Ректор


Р. Г. Стронгин

ЛИЦЕНЗИЯ Сер. Я № 268-Э/04 от 29 апреля 2004 года
ФЕДЕРАЛЬНАЯ СЛУЖБА ПО НАДЗОРУ В СФЕРЕ ОБРАЗОВАНИЯ И НАУКИ

Per. № 670 "24" июня 2008 г.



г. Нижний Новгород

зам. декана

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ACADEMIC

NOTE Admission to undergraduate and post graduate courses should be based on the ACADEMIC Reading and Writing Modules.
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It is recommended that the candidate's language ability as indicated in this Test Report Form be re-assessed after two years from the date of the test.

Centre Number EG001

Date 24/SEP/2016

Candidate Number 005010

Candidate Details

Family Name GERGES

First Name GERGES FRANCIS TAWDROUS

Candidate ID 27410090102716



Date of Birth 09/10/1974

Sex (M/F) M

Scheme Code Private Candidate

Country or Region of Origin

Country of Nationality EGYPT

First Language ARABIC

Test Results

Listening 5.5

Reading 7.0

Writing 5.0

Speaking 5.5

Overall Band Score 6.0

CEFR Level B2

Administrator Comments

Empty box for Administrator Comments

Centre stamp



Validation stamp



Administrator's Signature

Date 04/10/2016

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16EG005010GERG001A



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GOETHE-INSTITUT
KAIRO/ALEXANDRIA
المركز الثقافي الألماني

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Sprachabteilung in Kairo
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Teilnahmebescheinigung

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

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

Deutschkurs der Niveaustufe B2

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

teilgenommen hat.

Das Niveau des Kurses entspricht 600 Stunden Deutschunterricht.

Kairo, den 08.01.2007

Leiterin der Spracharbeit



www.goethe.de/cairo

Author Other Papers

I- The Holy Bible Studies

The Tabernacle Geometrical Structure

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

II- The Physics & Astronomy Studies

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

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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

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