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Earth motion produces the moon orbit
Solar System Geometry (Part 12)
By Gerges Francis Twadrous

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Abstract

Earth Motion Energy produces the Moon Orbit based on The relativistic Motion

Example for Explanation:

In Lorentz Length contraction Equation

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

If
- L_o = Earth Daily Motion = 2.58 million
- v = 0.99 c (Earth hidden velocity- Hypothesis)
- L = 363000 km (the distance between Earth and moon at Perigee Point)
- L_o = 7.09 L

That means

Earth Energy Motion moves toward the moon and builds the moon orbit by this Energy
(that proves Earth has a hidden velocity =0.99c)

The Basic Concept

The Solar Group is consisted of one unified Energy, which passes and transports from point to another through the solar group

This unified Energy creates the solar planets matters, orbital distances and motions

Means the whole group is connected together by the same line of Energy, that's why we should consider the solar group as one body

So if the moon orbit is built by Earth motion energy (as we'll study in this paper)

That will be an example for the whole solar group,

the solar group can be similar to a river has many canals, each canal effects on the others also

the solar group can be similar to group of gears, each gear effects on the others motions,

In Brief

I claim, The Solar groups is an integrated and cooperated system

The components of this system are created by an unified Energy, where this same unified Energy is transported from point to another through the solar group to cause the creation and motion of all these components and no solar component is found out of this Energy

(Solar components means the solar planets masses, orbital distances …and all other data)

S. Virgin Mary Assumption into Heaven.
Written in Cairo – Egypt
10th June 2018

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Planetary Fact Sheet - Metric

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

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

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1- Introduction

This paper completes the discussion provided by the previous one
"The Time Definition http://vixra.org/abs/1805.0523"

Let's summarize what we'll do in this paper:

- I claim Earth has a hidden velocity = 0.99c
- based on this velocity Earth should have relativistic motion
- I claim we can't notice Earth hidden velocity =0.99c but we can notice its relativistic effects on distances and times
- So my work is to rewrite the solar planets data in a form showing that there's a relativistic effect
- I found in the moon orbit one proof for the relativistic motions, so I'll show it in this paper with every possible details to support my claim
- That's why we should discuss the moon orbit structure to see if the moon orbit really is built from Earth motion Energy…

I summarized in previous points my objective in this paper

But

Let's discuss the concept behind?

- $E=mc^2$ tells us the mass is an Energy
- I defined "the distance and time as forms of Energy" (in previous paper)
- Also we know the Motion has An Energy

I unify all these components together..
All of them are made from Energy
I suppose…

The solar group is created from the Same Unified Energy

I suppose the whole solar group is created from one unified Energy, and this Energy passes and transports from point to another through the solar group. This same Energy creates the solar planets matters, their orbital distances, and motions …etc
So,
The solar group will be similar to a group of gears… each gear effects on the other motions
Means each planet effects on the others motions

By this vision we'll have explanation why Jupiter axial tilt =3.1 degrees (=Π value), or why Uranus axial tilt = 97.8 degrees (=Π⁴) and why Neptune axial tilt =(180/2Π)=28.6 degrees…
Because the motion of each planet depends on others, that's why there are many cyclic numbers in the solar planets data…

So now we know..
Saturn Pluto distance = Mercury Neptune distance, isn't pure coincidence but found for a geometrical necessity.

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Also Mars Moon relationship causes the equation

Mars orbital period 687 days = the moon orbital period 27.3 x Mars axial tilt 25.2

Where Mars motion depends on The moon motion, both are connected by the unified Energy transported from one of them to another

This same meaning we may get from

Jupiter Orbital period 4431 days = Mars orbital period 687 days x 2Π

We should see the concept clear as possible

The solar group is one machine, so the motion of any planet doesn't depend on his mass relationship with the sun Mass…it's Not true
The planet motion depends on the Solar Unified Energy Trajectory,
This unified Energy passes from one point to another creating the planet matter (mass) and motion to be suitable for the unified energy passing process

So the main player is not the gravity between 2 masses

But the unified Energy passes from one point to another through the solar group, creating the planets matters and motions in harmony with this same unified energy passing process

This description will change greatly our vision toward the solar group description

I provide an integrated unified solar group vision in place of the solar group formed by separated Points.

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2- Research Methodology (I use the same Methodology in all my papers)

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.

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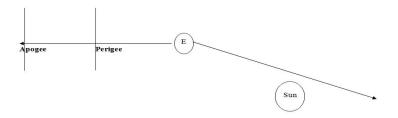**I do this research**

3- Earth motion produces the moon orbit

Hypothesis No. 1

Earth has 2 velocities

- Earth seen velocity = 0.0001 c=29.8 km/sec
- Earth hidden velocity = 0.99 c

3-1 The General description

3-2 Uranus Effect

3-3 The rate 1.0725

3-4 The Time Phase

3-5 Metonic Cycle Motions

3-1 The General description

I- Perigee Point

- Earth moves daily a distance =2.58 million km with velocity = 0.0001c =29.8 km/sec
  The motion almost is done in trajectory declines with 0.985 degrees on horizontal
  (almost straight line)
- Earth hidden velocity =0.99 c (hypothesis)
- The velocity 0.99 c causes a length contraction rate = 7.09 based on lorentz equation

Let's see that

Lorentz proper length equation

$$L_o = \frac{L}{\sqrt{1 - \frac{v^2}{c^2}}}$$ If   v= 0.99c so

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

L_o = 2.58 million km

L = 363000 km (the distance between Earth and perigee point in the moon orbit)

So,

Earth- Moon distance at perigee point is produced as a result of lorentz length contraction equation

The conclusion

- The distance between Earth and perigee point in the moon orbit (363000 km) expresses Lorentz contraction length equation result (L) if Earth motion distance daily 2.58 mkm is the proper length (L_o) and if there's a velocity = 0.99c
- Perigee distance is almost straight trajectory declines on horizontal with 0.985 degree

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II- Perigee –Apogee distance

Earth moon distance at apogee =406000 km

The distance between Perigee and apogee = 43000 km

What about this distance

- Earth rotates daily around her axis …. That means earth moves a distance = her circumference in her motion around her axis

i.e.

- Earth moves 40080 km in her motion around here axis
- 40080 km x 1.0725 (lorentz rate) = 43000 km (so the distance between perigee and apogee is produced as a result of Earth rotation distance around her axis by using lorentz rate 1.0725)
- Why I used this rate 1.0725? this will be answered with Uranus effect (sub-point 3-2), but we have seen this rate before (we discuss the rate 1.0725 in sub-point no. 3-3 to remember it)… but we should discuss how the distance is increased in place to decrease because of lorentz contraction! With Uranus effect we should do that, I wish here to complete the moon orbit description before

We may remember here

$$\frac{2.58\,\text{mkm (Earth daily motion)}}{2.41\,\text{mkm (Moon Orbit Circumfere nce)}} = 1.0725$$

III- Apogee Point

- Earth Moon distance at apogee point = 406000, in this point the effect of lorentz length contraction is disappeared
- Earth motion total energy is transported completely to this point

But

- Earth moves where the moon orbit doesn't move, that's why the Earth motion which was in straight trajectory is shown now in ellipse form around Earth, that's why moon orbit circumference at apogee point = 2.58 mkm= Earth daily motion, because the whole Earth Energy is transported to this point but in ellipse form
- we may remember Einstein rock he left from the moving train, he saw the rock dropping in straight line but people on platform saw the rock dropped in parabolic form, the difference in vision found because the observers different cases.

IV- Metonic Cycle

- The apogee circumference total degrees = 360 degrees because it's an ellipse
- but we should notice that, this orbit is found depends on the perigee point

i.e.

- The Apogee Orbit Total Degrees should = 360+ 0.985 = 361 degrees
- $(361 \text{ degrees})^{1/2}$= 19 degrees
- That's why the moon orbit regresses 19 degrees yearly
- Actually Metonic Cycle is created here, and for that reason the moon rotates Metonic cycle continuous for 19 years.
- So this explanation provides an answer for the old question why the moon rotates Metonic Cycle? And How he can do that if the Earth doesn't rotates this Cycle?

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3-2 Uranus Effect

The question is clear
Let's write and answer it here

Lorentz Length Contraction rate = 7.09 if there's a velocity = 0.99c
By this same rate Perigee point is defined based on Earth motion distance
But

The distance between perigee and apogee has 2 problems
  1- The rate is 1.0725 and no longer be 7.09!
  2- The distance is increased in place to be decreased!!
This is happened because of Uranus effect
 Let's see the data first

I-Data

$$\frac{7.09}{\text{Uranus Axail Tilt } 97.8} = 0.0725$$

$L = L_o + 0.0725$ i.e. $(L/L_o) = 1.0725$

II- Discussion
- Earth Energy is sent to the moon and creates the perigee point in her way

- Uranus effects on the Earth Energy at Perigee Point caused the aforementioned changes!

Now we have 2 questions to answer
Does Uranus practice this effect really?
Why does Uranus do this effect and not another planet?

3-2-1 Does Uranus practice this effect really?
I-Data
1- Perigee point distance 363000 km = 7.09 x Uranus Diameter 51118 km
2- Uranus Orbital distance (2872.5 mkm) = 19 x Earth orbital distance (149.6 mkm)
3- Uranus Axial Tilt Equation supports this same idea
4- $\dfrac{\text{Uranus Diameter}}{\text{Moon Diameter}} = \dfrac{\text{Moon Orbit diameter at eclipse point}}{\text{Uranus Diameter}} = \dfrac{\text{the Sun Circumfere nce}}{\text{Light distance for 1 second}}$
5- 6939.75 seconds x 0.3 mkm (c velocity) = 2095 mkm (Jupiter Uranus distance) (where Metonic Cycle = 6939.75 days)
6- $\dfrac{\text{Uranus Orbital Distance}}{\text{Moon Orbit in apogee}} = \dfrac{\text{Uranus Orbital Period 30589}}{\text{The Moon Orbital Period 30589}}$
I- Discussion
The previous data shows some consistency between Uranus data and Perigee point data
I have no description here and don't know by what mechanism Uranus could do that
The data gives us clear references but not proves
Any way let's answer the second question may that help us to see much better

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3-2-2 Why does Uranus do this effect and not another planet?

Because Uranus is the main factor in the sun creation process

Let's see the data

I-Data

C^2 = **Uranus orbital distance (2872.5 mkm) x Π^3**   (error 0.9%)

Where

Π^3: is the relationship between Uranus and Jupiter, where Uranus axial tilt = Π^4 but Jupiter

Axial tilt = Π that's why Π^3 is the rate between both

C^2: is the sun source of light we discuss before in many paper

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

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3-3 The rate 1.0725
3-3-1 the rate 7.09 in the solar group
3-3-2 the rare 1.0725 in the solar group

3-3-1 The rate 7.09 in the solar group
- Mercury Orbital inclination = 7 degrees
- The coherence interaction angle θ= 1/7
- θ is an angle inside the sun which defines Earth and Moon distances relating to the sun and to themselves.

Solar Group Geometrical Structure   http://vixra.org/abs/1805.0081 (Page 35)

3-3-2 the rare 1.0725 in the solar group
We know this rate perfectly..(I repeat table here because the data is all my force)
I – Data (Distances – Max error 1%)

1st- $\dfrac{\text{Earth Daily Motion 2.58 mkm}}{\text{Moon Orbital Circumfere nce 2.41 mkm}} = 1.0725$ (No Error)

2nd- $\dfrac{\text{Apogee orbital radius (406000 km)}}{\text{Total Solar Eclipse radius (378500 km)}} = 1.0725$ (No Error)

3rd- $\dfrac{\text{778.6 mkm Juppiter Orbital Distance}}{\text{720.3 mkm Jupiter Mercury distance}} = 1.0725$ (0.7%)

4th- $\dfrac{\text{720.3 mkm Jupiter Mercury distance}}{\text{670 mkm Jupiter Venus Distance}} = 1.0725$ (No Error)

5th- $\dfrac{\text{670 mkm Jupiter Venus Distance}}{\text{629 mkm Jupiter Earth Distance}} = 1.0725$ (0.6%)

6th- $\dfrac{\text{629 mkm Jupiter Earth Distance}}{\text{586.5 million km}} = 1.0725$ / $\dfrac{\text{586.5 million km}}{\text{550.7 mkm (Mars Jupiter Distance)}} = 1.0725$

7th- $\dfrac{\text{Saturn Orbital Distance (1433.5 mkm)}}{\text{Sarurn Venus Distance (1325.3 mkm)}} = 1.0725$ (Error 0.8%)

8th- $\dfrac{\text{Saturn Earth Distance (1284 mkm)}}{\text{Sarurn Mars Distance (1205.6 mkm)}} = 1.0725$ (Error 0.7%)

9th- $\dfrac{\text{Saturn Earth Distance (1284 mkm)}}{\text{Sarurn Mars Distance (1205.6 mkm)}} = 1.0725$ (Error 0.7%)

10th- $\dfrac{\text{Uranus Orbital Distance (2872.5 mkm)}}{\text{Uranus Mars Distance (2644 mkm)}} = 1.0725$ (Error 0.7%)

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Let's add some important data

II-Data

1st- $\dfrac{\text{Mars Axial Tilt} \quad (25.2 \text{ degrees})}{\text{Earth Axial Tilt} \quad (23.4 \text{ degrees})} = 1.0725$ (No Error)

2nd- $\dfrac{\text{Neptune Axial Tilt} \quad (28.3 \text{ degrees})}{\text{Satrun Axial Tilt} \quad (26.7 \text{ degrees})} = 1.0725$ (Error 1.1%)

3rd- $\dfrac{\text{Saturn Axial Tilt} \quad (26.7 \text{ degrees})}{\text{Mars Axial Tilt} \quad (25.2 \text{ degrees})} = 1.0725$ (Error 1.2%)

Planets Axial tilts 23.4, 25.2, 26.7 and 28.3 all of them are found depending on each other.

III- Discussion

I hope the argument is clear and strong enough
We need to rewrite the solar planets data to understand the real geometry behind

3-4 The Time Phase

Earth Energy created the Moon Orbit! How Can we understand that
Because Earth moves already and will complete here a distance 2.58mkm at the end of the day but the moon orbit is found already! How that can be possible?
Almost there's a phase of 1 day between the moon orbit and Earth motion
Means Earth previous day energy built the today moon orbit

3-5 Metonic Cycle Motions

Metonic Cycle =6939.75 days
But
6939.75 days = 346.6 days x 20 years
= 365.25 days x 19 years
=29.53 x 235   months

We see that these three motions are in harmony together
- Earth Motion
- Moon Motion
- Moon ORBIT motion

We have no explanation for it reason but this paper my provides an answer for this question.

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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.

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

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)

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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 year[2]

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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[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

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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

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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

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			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**

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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**

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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..

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While Metonic Cycle connected to Saros Cycle completely because the Metonic Cycle is The lunar Orbit Cycle and Saroc 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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- **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

SERVICES

- Translation, Proofreading, and Editing.
- The rate around 3500 words daily

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

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РОССИЙСКАЯ ФЕДЕРАЦИЯ

Фамилия, имя, отчество

Гергес Фрэнсис Тавдрус Гергес

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

Практика:

не проходил

Итоговые государственные экзамены:

не сдавал

Выполнение выпускной квалификационной работы

не выполнял

г. Москва
ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ БЮДЖЕТНОЕ ОБРАЗОВАТЕЛЬНОЕ УЧРЕЖДЕНИЕ ВЫСШЕГО ПРОФЕССИОНАЛЬНОГО ОБРАЗОВАНИЯ
«Российский университет дружбы народов»

АКАДЕМИЧЕСКАЯ СПРАВКА
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(регистрационный номер)
11 сентября 2012
_____ года
(дата выдачи)

Ректор

Декан

Секретарь

М. П.

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Документ содержит количество листов:

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ННГУ 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 *Египет, 09.10.74.*

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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.

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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 (17...)	

Ректор   Р. Г. Стронгин

ЛИЦЕНЗИЯ Се... А № 268... ... Апреля 200 года
ФЕДЕРАЛЬНАЯ СЛУЖБА ПО НАДЗОРУ В СФЕРЕ ОБРАЗОВАНИЯ И НАУКИ

Рег. № 6... "24" июня 2008 г.

ФАКУЛЬТЕТ ИНОСТРАННЫХ
СТУДЕНТОВ
ННГУ
Копия
верна   г. Нижний Новгород

зам. декана

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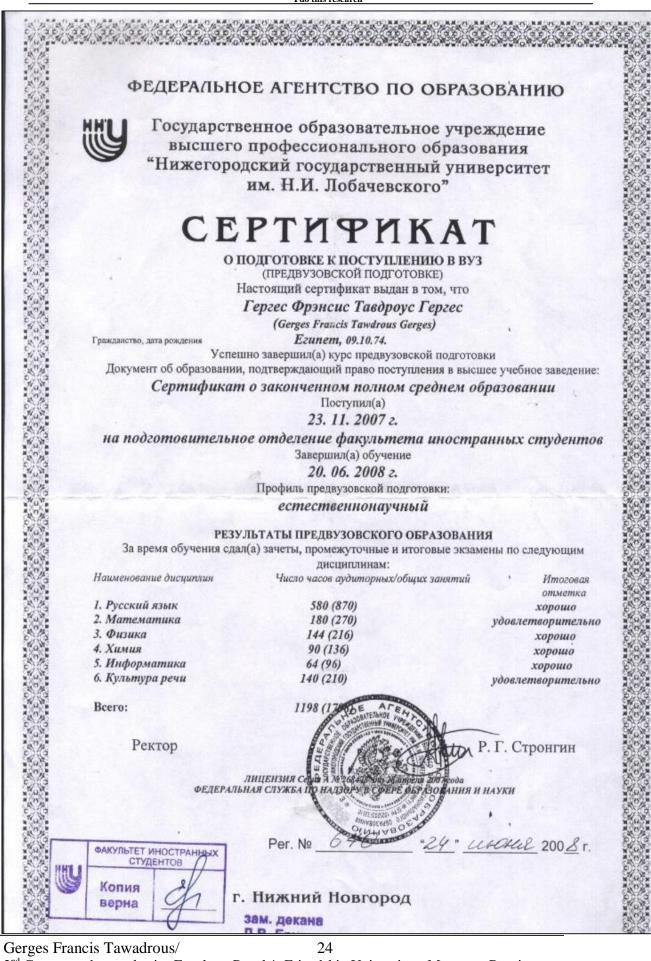*mrwaheid1@yahoo.com*   mrwaheid@gmail.com   +201022532292

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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

Centre stamp: **BRITISH COUNCIL**

Validation stamp: IELTS

Administrator's Signature

Date	04/10/2016	Test Report Form Number	16EG005010GERG001A

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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

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Author Other Papers

<mark>**I- The Holy Bible Studies**</mark>

The Tabernacle Geometrical Structure
http://vixra.org/pdf/1701.0344v1.pdf

<mark>**II- The Physics & Astronomy Studies**</mark>

"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

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" 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

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

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