The Solar System Geometry (Part 6)
Particle Double Nature Reason
By
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Abstract

How The Matter Is Created?

Why the particle has double nature?

What's The Gravity Reason And Mechanism?

Does the gravity needs time to effect or works instantly?

If the Planet moves by gravity, why does the moon revolve the Metonic Cycle which the Earth doesn't?

The Matter Creation is the main question I discuss in this paper, tries to explain why the Particle has double nature..
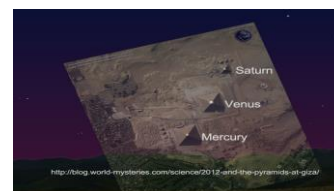

The Main Hypothesis:

"The Matter Is Made Of Light"

Keywords: Double Nature - Light Nature – Matter Origin

S. Virgin Mary Assumption into Heaven.
Written in Cairo – Egypt
11th December 2017

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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/m³)	5427	5243	5514	3340	3933	1326	687	1271	1638	1830
Gravity (m/s²)	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

To understand the universe Geometry, we need to answer the basic question,

How The Matter Is Created? What's The Gravity Reason And Mechanism?
Why the particle has double nature?

Why this question is so important?

In total solar eclipse we found that

(The Sun diameter / The Moon diameter) = (Earth orbital distance/ Earth moon distance)
The previous equation is the reason, why we see the sun disc = the moon disc

No geometrical reason behind the previous equation according to the current theory, it's just pure coincidence!

Should we accept such answer?!
But
How The Planet Diameter Is Created?
On what measurements or criteria the planet diameter is created?!
We need to answer this question to be sure that, the previous equation really pure coincidence!

Let's provide another example

2nd Example
The Moon Orbit Structure

1- The Distance Between the Earth and The Moon (at Perigee Point) = The Outer Planets Diameters Total.

2- The Distance Between the Earth and The Moon (at Apogee Point) = All Solar Planets Diameters Total

3- The Distance Between Perigee And Apogee Points = The Solar Inner Planets Diameters Total= Earth Circumference

What's the relationship between the moon orbit radius and the solar planets diameters total?!
i.e.
should the logical mind accept the moon orbit structure also as just "pure coincidence"?!

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3rd Example
- Metonic Cycle 6939.75 days

= 19 sidereal years (365.25days) (Earth motion)

= 235 synodic month (29.53 days) (moon motion)

=20 nodal years (346.6 days) (moon orbit motion)

- Saros Cycle 6585.321 days

= 239 * 27.55 days (anomalist month)

= 223 * synodic month (29.53 days)

=19 nodal years (346.6 days)

So, Coincidences!

The moon, sun and moon orbit motions are in harmony with each other…

Can the gravity concept explain this fact?

Even we don't know why the moon orbit rotates independently, does such phenomenon repeat with any other planet?!

Why the three planets motions are in harmony?

More coincidences!!

Is there any logic here?!

4th Example (last one)
A planet orbital distance definition based on Venus Diameter!
(Gerges Francis Equation)

$$D = AR^2_v \Pi^n$$

Where

D= the planet distance to the sun or to another planet

A= constant

R_v= Venus diameter

Let's see that in following

Table No. 1				
Constant	**$* \Pi^n$**		**The distance**	**Error**
(Venus diameter)^2	$* \Pi^o$		149.6 mkm Earth orbital distance	2%
	$* \Pi$		455.8 m km Mars Orbital diameter	-
	$* \Pi^2$		1433.5 mkm Saturn Orbital distance	-
	$* \Pi^2$	/2	720.3 mkm Mercury Jupiter distance	-
	$* \Pi^2$	*2	Uranus orbital distance	-
	$* \Pi^2$	*4	Pluto orbital distance	1.4%
	$* \Pi^3$		Neptune orbital distance	1.1%
	$* \Pi^{-1}$	*2	Earth Mercury distance	2%
	$* \Pi^{-2}$	*4	Mercury orbital distance	2.5%
	$* \Pi^{-2}$	*8	Venus Mars distance	-
Note please : (-) means the error less than 1%				

Discussion
No geometrical reason behind this table (10 equations),

We can't accept the "Pure Coincidence" silly claim …

we need to know how the matter is created?

which we'll discuss in point No. 3

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2- Research Methodology

I analyze the solar planets data to conclude the planet motion and origin
And this data analysis may lead to a different theory about the planet motion, let's discuss example in following….

The Moon Cycle (27.3 days)

- The current theory tells us the moon revolves around the Earth one revolution each 27.3 days (moves daily 88000 km…)

- **My Theory Tells That, The Moon Revolves Around The Earth One Complete Revolution Daily (moves daily 2.41 million km)**

Let's explain my theory
- The moon apogee radius = 406000 km, its circumference = 2.58 mkm
- The Earth daily motion = 2.58 mkm

Hypothesis
- **The Whole Moon Orbit rotates daily a complete rotation (360 degrees) with the Earth around her axis**

So,

<mark>Why The Moon Himself doesn't revolve Around The Earth One Revolution Daily?</mark>

- 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 = 2.41 million km
- The apogee orbit circumference= Earth motion daily = 2.58 mkm,
- So the difference is 0.17 mkm, which causes The Daily Actual Displacement For The Moon…
- The Actual Moon Displacement Daily Is 88000 km, which equal 1/2 of the velocities difference. That because the opposite directions of the motions causes friction for the moon pulling process by his obit velocity, resulting an actual distance = 1/2 the velocities difference.
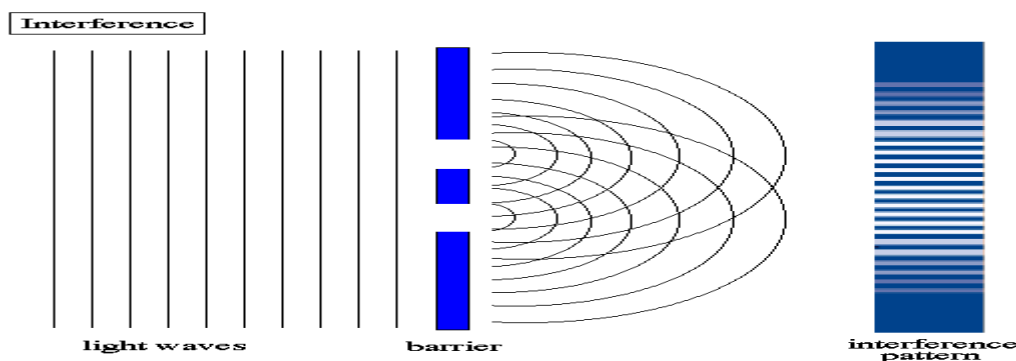
This explains…

Why the moon orbit apogee circumference = The Earth daily motion

So, the research methodology can be summarized in following:

1- I use NASA Planetary Fact Sheet – Metric – found in page No. 2 of my paper with its link.
2- I use the planets real data analysis to conclude the planet motion, geometrical structure and origin.
3- I suggest ideas to explain the data, extending our thinking beyond the current theories, seeking the Solar System true Geometry.
4- The most supported ideas I gather together to discover the True Solar System Geometry.

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3- Matter Creation Theory

3-1 The Main idea

Interference

light waves   barrier   interference pattern

- ## 2 light beams got coherence together

- The light coherence we learnt from Young experiment "**Double Slit Experiment"** from which we knew that, the light can get coherence and the result will be bright fringes (spots) and dark spots between each other…

- The Bright Fringes We See As Planets But The Black Fringes We See As Dark Spaces…

Why we see the bright fringes as planets?

- Because The Earth moves with C velocity relative to the sun and we move with the Earth by the same velocity…
  i.e.
  No difference in velocities are found between our and Earth motions
  For that we see the Earth as matter only because there's no difference in velocities between both.

But why we see the sun as a source of light?

- Because there's a difference in velocities = C velocity between the Earth and the sun motions, I explained that with details also in the same paper
Please read it…
The Earth moves with light velocity relative to the sun
http://vixra.org/abs/1709.0331

Can we define the Matter based on this explanation?
- The reason to see the matter or the light is the velocities difference, this idea we have learnt from the Relativity theory.. So, because the Earth and all planets move with c velocity, and no difference in velocities between them, that's why we see all of them as just matters. When the velocities difference is found (as between the Earth and sun motions) we see the sun as a light

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3-2- The Matter production by Young or Anderson experiments

- It's important to understand that the matter production from the light is made by only one method, So this idea in which the planets matter are created by the light beams coherence, **Is The Same Method** which Anderson used to produce Electron and positron from Gamma rays (1932)! Because of the particle double nature, Let's discuss that deeply

- Anderson produced electron and positron from Gamma rays 1.2 Mev, by his experiment we learnt that the matter can be created from the light (Gamma rays)… but we should notice that, my suggested idea to produce the matter by the light coherence (according to Double Slit Experiment) is the same method because the particle has double nature. So if the particle behaves as a particle he'll be produced by Anderson method, but if the particle behaves as a wave he will be produced by my idea… both cases produce the same particle.

  - **The Main idea here:**

    o The Matter is made of light (electromagnetic waves)
    o Young Experiment (Double Slit Experiment) produces the particle in wave form
    o Anderson experiment (pair production) produces the particle in particle form…

- We need more deep vision here….Anderson Experiment produces electron and positron, so the product matters are in motions because of their charges, and these motions & their velocities are defined before the creation, because they are created from the Gamma rays (specific energy amount)… i.e. the input is defined value so the output should be the same value because of the energy conservation….

- By this same way the matter is created by my suggested idea, the matter is created in motion and this motion with its velocity is defined before the creation… now the motion of electron and positron depend on their charges…but that's just outer face… the inner concept tells us that, the produced matter should be in motion regardless the reason… that's the main point… because the motion is a part of the balance based on which the matter is produced (or part of the light coherence based on which the matter is produced)…. Let's explain that more clearly

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- I want to say that,
  - o The matter is produced from the light,
  - o she is produced in motion.. why? because by this motion the matter will produce light again, and so it will be a cycle and the energy will be conserved…So when Gamma rays gave birth to electron and positron we found they have necessary motions based on their charges…. But this is a reason for this situation, and when the matter is created deprived from the charges, the matter will find another reason to move her defined motion which is defined before her creation…
  - o i.e. the motion is part of the matter creation

<u>SHORTLY</u>…. The light can be transformed into matter, which will be produced in motion, and by this motion the matter will produce a light to complete the cycle and conserve the energy…

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3-3 Why The Particle has Double Nature?

- The Matter is made of light, So **<mark>The Matter Is A Light…</mark>**

- Because there's no difference in velocities between the Earth and the other planets, we see them as matter because both move with the same velocity (in this case the particle will be a particle "matter")

- There's a difference in velocity = C velocity between the Earth and the Sun motions, for that reason the sun is our source of light. The Light is produced by the velocities difference….(in this case the particle will behave as a wave)

- Let's summarize that

    o If the particle in a frame moves with the same velocity of the Earth, So the Particle is a matter

    o If the particle in frame moves with a different velocity of the Earth (difference = C velocity), So the Particle is a wave…

    o **The Particle double nature is a proof that (there is more than one frame in the Solar Group)**

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3-4- The Solar System Model Modification

The Matter New definition modifies the solar system model

Where
==**The Planet Revolves Around The Line Connected Between The Sun And The Earth And Not Around The Sun Herself**==

Let's summarize the new features of this modification

1- The sun is on the vertical level relative to the Earth.

2- All solar planets are found on the horizontal level relative to the Earth

3- The Sun is higher than the Earth, and higher than all solar planets

4- **The Straight Line From The Sun To The Earth Is The Main Line In The Solar Group**

5- **The planets revolve around this line, and not around the sun herself..**

6- i.e. the Planets revolve around the line connected between the Sun and the Earth…

7- So, when the planet revolve around the sun, he will revolve around the Earth also because both of them connected by this same one line

8- That's why, **The Ptolemy Model Lived Very Long Time, Because It Was Correct**…….etc

Please Read my paper

Copernicus-Kepler Model Modification
http://vixra.org/abs/1711.0133

Or discuss with us this idea
https://www.academia.edu/s/c21040bd78/copernicus-kepler-model-modification

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3-5 Is There A Real Light Velocity = 4C?

Is it truth, the Planet matter is made of light?
the Solar Group Mass distribution proves that, let's see as following:

1. **The Solar Group Masses Total = 2667 $*10^{24}$ kg,**

2. **This masses total is divided into 2 parts with rate 1: $(3.66)^2$= 200 :2467**

3. **2467 $*10^{24}$ kg is divided with rate 3/10 (Saturn Mass/Jupiter mass)**

4. **200 $*10^{24}$ kg is split into 2 <u>Equal Parts</u> 100 (Neptune Mass-error2%) + 100 (others mass) (electron mass= positron mass- Anderson Experiment)**

    -   So Neptune Mass = the other planets masses total.

    -   Let's suppose the light velocity is 4C **-Before Neptune Creation-** (Hypothesis)

    -   This velocity will split into 2 equal parts (100 Neptune + 100 the rest)

    -   **The Light Velocity before Neptune Creation = 4C**
    -   **The Light Velocity after Neptune Creation = 2C**

5. **$100*10^{24}$ kg is divided into 2 parts**
    -   Uranus Mass 88 $*10^{24}$ kg (error 1.3%) and the rest is 12 $*10^{24}$ kg (2 Not Equal Parts)
    -   (the Light Velocity was 2 C before the splitting and after became C)
    -   **The Light Velocity before Uranus Creation = 2C**
    -   **The Light Velocity after Uranus Creation = C**

6. **12 $*10^{24}$ kg is split into <u>2 Equal Parts</u> (Earth 6 * 10^{24} kg) and (the others 6 * 10^{24} kg) (error less 1%)…**
    -   So Earth Mass = the 4 planets masses total (Mercury +Venus+ moon+ Mars) **(electron mass= positron mass "Anderson Experiment")**

    -   **The Light Velocity before Earth Creation = C**

C is the minimum Velocity of light, and the light beams produced the 5 inner planets, and the Light beam transformed into Matter …
So, we have only
The Light beam with C velocity and the 5 inner planets matters

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3-5-1 The Velocity 4 C

I supposed that, we have velocity = 4 C
But this velocity I found basically in Jupiter and Saturn relationship

So, **The Velocity 4 C Is Not Hypothesis**

But I have to use it because of the relationship between Jupiter and Saturn
Please read it in my paper (it's complex relationship I can't write here)

"The Earth moves with the light velocity relative to the sun"
http://vixra.org/abs/1709.0331
(Pages 21-32)

3-5-2 The Mass Isn't The Particle Property

The following equations support this same meaning

$$\frac{Uranus - Mass}{Earth - Mass} = \frac{Venus - Mass}{Mercury - Mass} \qquad (3-1)$$

$$Mars - Mass = Mercury - Mass \times (Mars - orbital - inclination) \qquad (3-2)$$

$$Moon - Mass = \frac{Venus - Mass}{Earth - Mass} \times 100 = Pluto - Mass \times (moon - orbital - inclination) \quad (3-3)$$

$$\frac{Earth - Mass}{4\,planets - Masses - total} = \frac{Neptune - Mass}{(uranus - with - others)masses} \qquad (3-4)$$

The previous equations tell us that, The mass is distributed by the geometrical rates of the whole system and Not a property of the Particle.

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3-6- The Earth Is The Big Electron

The previous explanation provides us with very good result …

I suggest the following:

- The Earth is the Big electron (her atom has positive nuclei and negative charges move around, which is truth) …and

- The 4 Planets (Mercury, Venus, the moon and Mars) together form the Big Positron (their atoms have a negative nuclei and positive charges moves around- Hypothesis)

- This idea depends on Anderson Experiment, producing electron and positron from Gamma rays (1.2 Mev)

- The reason to suggest that, is "The Earth Mass = The Four Planets Masses Total"

SO… NO GRAVITY

The Solar System works By The Electric Attraction…

Please read the details in my paper

The Solar System Geometry (Part I)

http://vixra.org/abs/1509.0126

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4- **The Knowledge and Light**

The Knowledge Is The Mother of The Universe Matter

- The knowledge in our mind is electromagnetic waves, you can measure by any medical device

- This knowledge (electromagnetic waves) is movable by nature, she flies away, and leave to us her stamp, (or her empty container)

- **Which is The Matter**

- So, the whole universe is made of light, (the light is the electromagnetic waves = the knowledge)

Let's review that here again…

- 2 Light Beams got coherence together.

- From Young Experiment (Double Slit experiment), we learnt that the light coherence produces bright & dark fringes (spots)

    o The Dark spots are the distances between the planets

    o The Bright spots are the planets…

Why we see the bright spots (light) as Matter?

…….Because

- Our mind understands the knowledge (light beam) and moves with light by the Light velocity

- So, our velocity is = the light velocity, So there's no difference in velocities between both, for that reason each of both sees the other as Matter

- But the sun moves very slowly relative to the Earth (1/366), so there's difference in velocity between the Sun & the Earth motions = C for that reason the sun is our light… Spite of the light beams are produced by the Earth motion

Note/ in some quantized experiment, the reports told that, the particle is found because we measure it, before measurement the particle is still in probability…

That's the same concept… the knowledge is the Matter Mother

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Appendix No. 1

Some of the geometrical relationships between the planets
Which still need explanation…

$$\frac{Earth - orbital - dis\tan ce}{\text{Earth - Moon distance}} = \frac{The - Sun - diameter}{\text{The - Moon - diameter}} = \frac{Earth - dialy - veloceity}{Earth - radius} = 400$$

(Eq.1)

$$\frac{Earth - Orbital - dis\tan ce}{The - Sun - Diameter} = \frac{The - Sun - Diameter}{Earth - Diameter} = \frac{Earth - Moon - dis\tan ce}{The - Moon - Diameter} = 109$$

(Eq.2)

$$\frac{Earth - Diameter}{moon - diameter} = \frac{moon - diameter}{\pi D} = \frac{The - Sun - diameter}{Earth - Moon - dis\tan ce} = \frac{\theta}{\phi} = 3.66$$

(Eq.3)

Where
D   :is the covered distance on Earth by the total solar umbra shadow =304 km
θ   : total solar eclipse angle =0.532 degree.
Φ   : is an angle = 0.142842 degree, which is defined as following

In the previous figure (**Eq.3**)

the 2 near bodies are the Earth and the moon, and the far one is the sun

$$\frac{Earth - diameter}{Mars - diameter} = \frac{Earth - orbital - dis\tan ce}{Mars - Earth - dis\tan ce} = \frac{Mars - diameter}{moon - diameter} = \frac{Mars - orbital - period}{Earth - orbital - period} = 1.9$$

(1.9 degree is Mars orbital inclination)   (Eq.4)

$$\frac{Earth - orbital - dis\tan ce}{Earth - diameter} = \frac{Earth - Venus - dis\tan ce}{moon - diameter} = \frac{Earth - Mars - dis\tan ce}{Mars - diameter} = (\frac{Earth - moon - dis\tan ce}{moon - diameter})^2$$

(average error 1.5%)   (Eq.5)

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No. 2 The Planets alignment in December 2012
(I called: The Egyptian Astronomic Phenomenon 2737)

1- Introduction

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

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.

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 $\qquad$ = 11688 days

But the Lunar year cycle $\quad$ =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 $\qquad$ And by such way

The lunar cycle which contain 33 Synodic year $\qquad$ = 11687.999days

The Sidereal Cycles which contain 32 sidereal year $\quad$ = 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

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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= **529 L. Y +11.0558d**	520 BLY+173.25d
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

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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

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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 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).

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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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I- The actual recording of the 2737 The Egyptian Astronomic Phenomenon 2737

Actual record for the phenomenon on 03/12/2012
http://earthsky.org/space/photos-from-friends-december-3-2012-line-up-of-three-planets

Actual record for the phenomenon on 03/12/2012
http://modernsurvivalblog.com/space/planetary-alignment-with-pyramids-of-giza/

Actual record for the phenomenon on 03/12/2012
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http://beforeitsnews.com/alternative/2012/12/3-pyramides-of-gizeh-3-dec-2012-star-alignement-confirmed-2507300.html

http://beforeitsnews.com/alternative/2012/12/3-pyramides-of-gizeh-3-dec-2012-star-alignement-confirmed-2507300.html

http://modernsurvivalblog.com/space/planetary-alignment-with-pyramids-of-giza/

http://forum.gdvplanet.com/topic/369-planets-align-with-giza-pyramids/
Actual record for the phenomenon on 03/12/2012
http://missiongalacticfreedom.wordpress.com/2012/12/02/december-3-2012-planetary-alignment-with-giza-pyramids-orions-belt/
Actual record for the phenomenon on 03/12/2012
http://2012indyinfo.com/2012/12/01/three-planets-above-egyptian-pyramids-on-december-3-2012-tonight-earthsky/
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http://beforeitsnews.com/alternative/2012/12/3-pyramides-of-gizeh-3-dec-2012-star-alignement-confirmed-2507300.html

http://beforeitsnews.com/alternative/2012/12/3-pyramides-of-gizeh-3-dec-2012-star-alignement-confirmed-2507300.html
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http://modernsurvivalblog.com/space/planetary-alignment-with-pyramids-of-giza/
Actual record for the phenomenon on 03/12/2012
http://forum.gdvplanet.com/topic/369-planets-align-with-giza-pyramids/

Actual record for the phenomenon on 03/12/2012
http://missiongalacticfreedom.wordpress.com/2012/12/02/december-3-2012-planetary-alignment-with-giza-pyramids-orions-belt/

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II- Sites expected the 2737 Egyptian astronomic phenomenon occurring before the actual event.

http://blog.world-mysteries.com/science/2012-and-the-pyramids-at-giza/

http://beforeitsnews.com/alternative/2012/08/december-3rd-2012-planets-align-with-giza-pyramids-for-the-1st-time-in-2737-years-2454374.html

http://mysteriesunsolvedstory.blogspot.ru/2012/02/2012-and-pyramids-at-giza.html

http://beforeitsnews.com/alternative/2012/08/december-3rd-2012-planets-align-with-giza-pyramids-for-the-1st-time-in-2737-years-2454374.html

http://alamongordo.com/apocalypse-armageddon/3-planets-balanced-giza-pyramids-december-3-2012/

http://galacticconnection.com/mercury-saturn-and-venus-aligned-on-dec-3-2012-with-the-pyramids-at-giza

http://www.ronpaulforums.com/showthread.php?397336-Planets-Aligned-with-Pyramids-of-Giza-1st-Time-in-2-737-Years-12-3-2012

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http://elenin.paranomalo.us/2012/08/giza-pyramid-complex-planetary-alignment-the-real-thing/

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http://www.taringa.net/posts/info/12480491/2012-and-the-Pyramids-at-Giza_-Part-1.html

http://www.examiner.com/article/image-of-planetary-alignment-over-giza-pyramids-goes-viral

http://ecosnobberysucks.com/2012/11/giza-pyramid-alignment/

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	- **Goethe institute - Cairo – 2001 to 2007**
	- **Ain Shams University - Cairo- Bachelor Degree Of Commerce -2000**
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	• 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)
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	• Martial status : Single
	• Nationality : Egyptian
	• Religion :Christian

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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

Документ содержит количество листов:

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БЮДЖЕТНОЕ ОБРАЗОВАТЕЛЬНОЕ
УЧРЕЖДЕНИЕ ВЫСШЕГО
ПРОФЕССИОНАЛЬНОГО ОБРАЗОВАНИЯ
**«Российский университет
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СПРАВКА
АВ 3048222

5429/н
(регистрационный номер)
11 сентября 2012
(дата выдачи)   года

Ректор

Декан

Секретарь

М. П.

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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.*

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 (17...)

Ректор   Р. Г. Стронгин

ЛИЦЕНЗИЯ Серия А № 268... от ... апреля 200... года
ФЕДЕРАЛЬНАЯ СЛУЖБА ПО НАДЗОРУ В СФЕРЕ ОБРАЗОВАНИЯ И НАУКИ

Рег. № ___ "24" июня 2008 г.

ФАКУЛЬТЕТ ИНОСТРАННЫХ СТУДЕНТОВ
Копия верна

г. Нижний Новгород

зам. декана

Gerges Francis Tawdrous/   31
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
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IN THE ALMIGHTY GOD NAME
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Test Report Form

ACADEMIC

NOTE Admission to undergraduate and post graduate courses should be based on the ACADEMIC Reading and Writing Modules.
GENERAL TRAINING Reading and Writing Modules are **not** designed to test the full range of language skills required for academic purposes.
It is recommended that the candidate's language ability as indicated in this Test Report Form be re-assessed **after two years** from the date of the test.
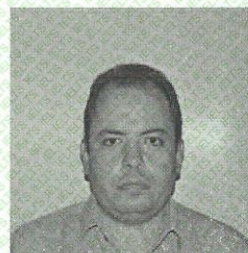
Centre Number	EG001	Date	24/SEP/2016	Candidate Number	005010

Candidate Details

Family Name	GERGES
First Name	GERGES FRANCIS TAWDROUS
Candidate ID	27410090102716

Date of Birth	09/10/1974	Sex (M/F)	M
Scheme Code	Private Candidate		
Country or Region of Origin			
Country of Nationality	EGYPT		
First Language	ARABIC		

Test Results

Listening	5.5	Reading	7.0	Writing	5.0	Speaking	5.5	Overall Band Score	6.0	CEFR Level	B2

Administrator Comments

Centre stamp

BRITISH COUNCIL

Validation stamp

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Administrator's Signature

Date 04/10/2016

Test Report Form Number 16EG005010GERG001A

BRITISH COUNCIL   **idp** IELTS AUSTRALIA   **CAMBRIDGE ENGLISH** Language Assessment Part of the University of Cambridge

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GOETHE-INSTITUT
KAIRO / ALEXANDRIA
المركز الثقافى الألمانى

Sprachabteilung in Kairo   قسم اللغة
Sprachkurse und Pädagogische Verbindungsarbeit
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Tel: 02/7484500 - 7484501   Fax: 02/3354702
e-mail:sprache@cairo.goethe.org

Teilnahmebescheinigung

Hiermit wird bestätigt, dass

Herr Gerges Francis Tawdrous,

geb. am 09.10.1974 in Kairo/Ägypten,

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

Deutschkurs der Niveaustufe B2

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

teilgenommen hat.

Das Niveau des Kurses entspricht 600 Stunden Deutschunterricht.

Kairo, den 08.01.2007

Leiterin der Spracharbeit

www.goethe.de/kairo

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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 Solar System Geometry Part 5"
Copernicus-Kepler Model Modification
http://vixra.org/abs/1711.0133

"The Solar System Geometry Part 4"
"The Earth moves with the light velocity relative to the sun"
http://vixra.org/abs/1709.0331

"The Solar System Geometry (Part No.3)"
http://vixra.org/abs/1707.0215
also
https://www.slideshare.net/Gergesfrancis/the-solar-system-geometry-part-no3

"The Solar System Geometry (Part 2)"
http://vixra.org/abs/1703.0178
also
https://www.slideshare.net/Gergesfrancis/the-solar-system-geometry-part-2

" The Solar System Geometry (Part I)"
http://vixra.org/abs/1509.0126
also
https://www.slideshare.net/Gergesfrancis/the-solar-system-geometry-part-i-51989014?qid=a789c6b2-5395-4cde-be61-b777af04e643&v=&b=&from_search=2

The Time And Distance Definitions In The Solar System
http://vixra.org/abs/1509.0241

The Solar Eclipse Geometry Basics
http://vixra.org/abs/1509.0276

The 2737 Egyptian Phenomenon & Its identical distance 2737 millions km
http://vixra.org/abs/1509.0242

The Mars Data Analysis Proves the Rest Mass Concept is Unreal
http://vixra.org/abs/1509.0244

The Solar Eclipse "The Gravitation Theory Puzzle"
http://vixra.org/abs/1509.0264

All Manuscripts
https://rudn.academia.edu/GergesTawadrous

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