The Solar System Geometry (Part 3)

By Gerges Francis Twadrous

2nd course student – Physics Department - physics & Math faculty –
peoples' friendship University – Moscow – Russia
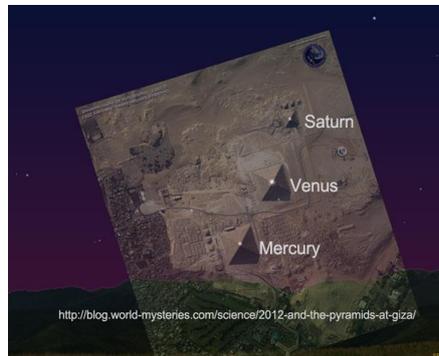gfrancis@yandex.ru / gergesfrancis@yandex.ru /+201022532292

Abstract

The Solar System Geometry Series considers the Solar Group as **One Machine** cooperates together
In this Part (No.3) we discuss **The Planet Diameter Creation And Job**

How the Solar Planets Geometry define specific Diameter for specific Planet
And what will happen if the planet diameter changes…?
And How the Sun Diameter is Created?

Through The Planet Diameter Study We Discuss The Matter Origin And Definition..

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

S. Virgin Mary Assumption into Heaven.
Written in Cairo – Egypt
2nd May 2017

Gerges Francis Tawadrous/   1
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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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/

Gerges Francis Tawadrous/   2
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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I do this research

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Gerges Francis Tawadrous/   3
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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I do this research

1- Introduction

From the total Solar eclipse we learnt that,

The Sun/ moon diameters rate	= 400 ………….and
The Sun/Earth distance to the Mon Earth Distance	= 400

When we asked about **The Geometrical Reason,**
the answer was "**Pure Coincidence**" …

Later…
We discovered that,

- **Jupiter Circumference *П   = Sun Diameter**

But

- **Sun Diameter * Jupiter Radius = 10^{11} km**

Also

- **Venus Circumference * П= Saturn Diameter**

- **Saturn Circumference   = The Earth /moon distance**

- **Pluto Diameter   = Mercury Radius**
- **Moon Diameter   = Mars Radius**

also we found that

- **Earth Circumference = The Inner Planets Diameters Total**
- **Neptune Circumference= Saturn radius+ Jupiter radius+ Uranus radius**

Not just these Relationships we found many others, which led us to examine
the planet diameter to know How the planet Diameter is created and why there
are so Many unexplained "Pure Coincidences" in the Solar Group Planets…

Gerges Francis Tawadrous/   4
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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2- Research Methodology

This paper uses **The Planets Data Analysis** to define the Solar System Geometry in addition to the direct observation (or even in place of it).

The research method expresses its concept

The direct observation is insufficient to study the solar System Geometry because, we shouldn't deal with the planet as a physical point regardless what's happening inside the planet himself…

Rather we should have a method can see the **Outer Observations** as well as **The Inner Interactions** to explain what interactions are going on inside the planet to enable him to perform his motion..

The basic concept is
The Planet Outer Motion Is Related To His Inner Interactions..

We deal with the planet matter as a living cell in a body…
so, the cell effects on the body, as the body effects on the cell.

Let's discuss one example to explain that.

- Moon Diameter = 3475 km
- Moon orbital distance from perigee to apogee = 43000 km
- Earth orbital distance = 149.6 million km
  <div align="right">(I mentioned only to the Earth-Moon in this paper)</div>

We have this equation:
3475 km * 43000 km = 149.4 mkm
This equation we have studied before in (the solar system Geometry Part 2), What this equation tells us?

The Moon Orbit Distance From Perigee To Apogee Is Related With The Earth Orbital Distance
i.e.

The Moon changes His Position From Perigee To Apogee Relating To The Earth Position Change Toward The Sun From Perihelion To Aphelion

This is my conclusion….. may be correct or not
But the calculation used only the planets real data… So if this explanation is incorrect, the calculation will wait another correct explanation…

In all Cases we couldn't reach to this calculation without **The Data Analysis**

Gerges Francis Tawadrous/   5
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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- The Solar Geometry Theory

How can we conclude the solar system Geometry if we don't use the planets real data?

Someone uses the experiment and other supports the direct observation
As scientific methods …

But where the solar Geometry in these methods?

The Solar Geometry Is Found In The Planets Data…
That's why we have hundreds of unanswered questions concerning the solar Geometry after hundreds years of research …!

So **We Have To Use The Solar Planets Data** to discover the solar Geometry

Now let's look for a method…

By Which Method We Should Use The Planets Data?

I analyze the planets data, this analysis may explain the inner geometrical relationships and interactions between the planets…
As we have seen in the moon diameter…
we see the moon diameter – through the direct observation- just as **Solid Mass** but through the data analysis we found that…

The Moon Diameter Is The Proportion Constant Between The Earth Orbital Distance And The Moon Orbital Distance From Perigee To Apogee

Now this meaning we could never reach by the experiment nor by the direct observation…

Simply, the planets real data is a great treasure and the Data analysis is the correct method to use it…

- Coincidences of Numbers
This claim is
The equations (calculations) are only Coincidences of numbers….

Surely I have to refute this deceptive claim in this paper…
To explain that,
All Calculations Which Used Only The Planets Real Data Are Real Relationships Between The Planets

Gerges Francis Tawadrous/   6
2ⁿᵈ Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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3- The Planet Diameter

3-1 The Matter
3-2 The Planet Diameter Squared Value
3-3 The Gravity
3-4- The Sun, Jupiter & Mars Relationships
3-5 The Planet Diameter And Its Orbital Distance

Gerges Francis Tawadrous/   7
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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3- The Planet Diameter

The Planet diameter is his golden Box
The planet diameter is NOT a solid matter found by some mystery…
But his living heart telling us his secrets…

3-1 The Matter

Someone tells the matter origin story is a mystery!
But who interests for …

Regardless any arguments….
We have a crucial result from the matter origin stories…. Which is the Matter description (In my paper Matter = Mass)

Mass description
We know the matter is found (regardless its origin) …

We consider the Mass (matter) is fact and found regardless any outer motion…

Also We Know That The Mass Is Found Independently

That means…

The Planet Diameter Is Created INDEPENDENTLY And Not Depended On Any Other Planet Diameter…

But!
We found some relationships between the Masses can't be explained neither by its origin nor by the gravity concept…

For example
We found the sun diameter / moon diameter = their distances rate to the Earth and because of that, the people on Earth see the Sun disc equal to the moon disc, for that reason **The Total Solar Eclipse** can be occurring…

Some people tell us this is "pure piece of luck"… others told us during the moon history the situation was different and in the future will change also
We have to trust them…. Even regardless our eyes!

But!
We found other strange data relating to the Mass
For example ..
The Moon is the Earth Follower (because of the gravity) but he turns the Metonic Cycle (19 years) about which the Earth never listen!
Why the moon turns this strange Cycle which the Earth doesn't, if the moon is controlled completely by the Earth Gravity? Otherwise there's another Factor effect on him to turn this Cycle?

Gerges Francis Tawadrous/   8
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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What's the Mass? What we learnt from Newton?

The mass is something independent, causes the gravity which creates the motion…. The mass is fact and found independently by some mystery!
and may change only with high velocity (according to Einstein)….!

Is this description can withstand before the Solar Geometry data..?

Let's see

The Question is…

If The Mass (Matter) Is Created Independently …i.e.

If The Planets Diameters Are Created Independently From Each Other

The Following Relationships Could Be Found?

Table No. 1	
The Relationships	**Error**
- **The sun Diameter = Jupiter Circumference * Π**	**1.4%**
- **Saturn Diameter = Venus Circumference * Π**	**-**
- **Pluto Diameter = Mercury Radius**	**2%**
- **Moon Diameter = Mars Radius**	**2.2%**

2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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We may remember the following table

Table No. 2
"The Solar Planets Diameters Total Relationship With The Moon Orbit"
If Earth diameter = 12756 km, is considered to be **= 1**
i.e. The Earth Circumference which = 40080 km, will be just =Π

So The Following Is Correct		Error
❖ Earth Circumference	**= Π**	-
❖ Solar Inner Planets diameter total	**= Π**	-
❖ Moon motion free space (from perigee to apogee) **= Π** (the free space without the moon diameter)		1.3%
❖ Moon Perigee orbit radius	**= 9 Π**	-
❖ Solar outer planets diameters total	**= 9 Π**	-
❖ Moon orbit apogee radius	**=10 Π**	1.2
❖ All solar planets diameters total	**=10 Π**	1
❖ **2** Jupiter diameter + Saturn diameter	**=10 Π**	-
❖ Saturn Circumference = Moon orbit radius at total solar eclipse	**= 9.5Π**	-
❖ Jupiter Circumference	**=11 Π**	1.9
❖ The Sun diameter	**=11 $Π^2$**	1.2

Gerges Francis Tawadrous/   10
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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Tables No. 1 & 2 Discussion

The previous relationships are clear & direct relationships!

If the Matter **Is Created Independently**, **Is It Possible To Create Such Relationships?!**

If Each Planet Mass Is Created Independently And Regardless The Other Planets Masses And Data, Such Relationships Can Be Found?!

Someone tells us these are **"Coincidences Of Numbers"!**

But we found, these relationships are real relationships and cause the total solar eclipse, Metonic Cycle and many other strange features in the Solar System geometry….!

my claim, is

There's A Relationship Between All Solar Planets Diameters

Let's define the Mass and after provide a proof for this claim

Gerges Francis Tawadrous/ 11
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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3-1-1 The Mass Definition

The Mass Is A Point Of Balances Or Interactions Between Many Forces Lines

I offer here another vision for the mass
We look at it from outside

The Mass:
Is a balance point (or interaction point) between many forces lines (or many motions lines)

How to describe the Mass?

Imagine you have many threads or wires and you use all these threads to make a knot together … so all these threads are connected now with each other by this knot which you made…

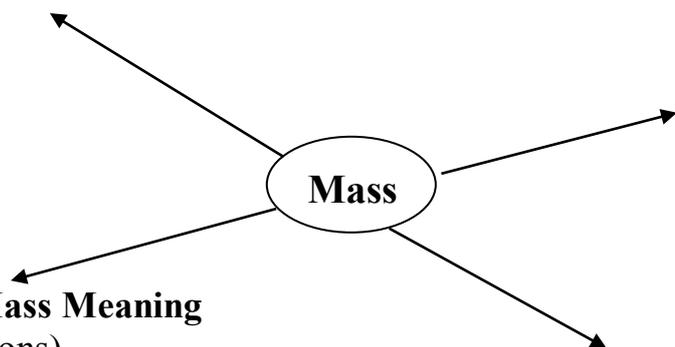## This Knot Is The Mass
All The Threads Are Forces (Or Motions)
These forces are connected together in one point
The Knot…. i.e.
The mass
Now The Mass Is The Balancing Point Between All These forces (motions)

That's Why The Moon Diameter Is The Proportional Constant Between The Lunar Distance (From Perigee To Apogee) And The Earth Orbital Distance

Mass

The previous figure shows the **Mass Meaning**
The arrows are forces lines (motions)
They unified together in one point
The Mass

Now Let's provide a proof for my claim that,
There's A Relationship Between All Solar Planets Diameters

Gerges Francis Tawadrous/   12
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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3-2 The Planet Diameter Squared Value

Table No.2	Maximum Error 1.5%
(Planet diameter)^2 = another Planet diameter * third planet diameter	
(Mercury diameter)^2 = Moon diameter * Mars Diameter	
(Venus Diameter)^2 = Mercury Radius * 1/2 Saturn Diameter	
(Earth Diameter)^2 = Pluto Circumference * Mars Circumference	
(Moon Diameter)^2 = 1/2 (Mercury Diameter)^2	
(Mars Diameter)^2 = Pluto Diameter * Saturn Radius	
(Jupiter Diameter)^2 = Uranus Circumference * Earth Circumference * П	
(Saturn Diameter)^2 = (Moon Diameter)^2 * Pluto Diameter	
(Uranus Diameter)^2 = Saturn Circumference * Mars Circumference	
(Neptune Diameter)^2 = Mercury Circumference *Uranus Circumference	
(Pluto Diameter)^2 = Mars Radius * Mercury Radius	

3-2- The Planet Circumference Squared Value

Table No.2-1	Maximum Error 1.5%
(Planet Circumference)^2 = another Planet diameter * third planet diam-	
(Venus Circumference)^2 = Venus Diameter * Saturn Diameter	
(Moon Circumference)^2 = Neptune Diameter* Pluto Diameter	
(Mars Circumference)^2 = Venus Circumference * Venus Diameter	

Note Please:

for the same Planet

The circumference value doesn't equal the diameter value *П, which shows that the solar geometrical system uses both the diameter And Circumference in 2 different jobs, extending the geometrical capacity.

Gerges Francis Tawadrous/   13
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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Table No. 2 Discussion
What the Mathematics tells us… ?
If we have three values
A, B and C
And

$$A^2 = BC$$

That means there's **Some Relationship** between A, B & C

Now Table No. 2 tells us

There Are Relationships Between All The Solar Planets Diameters!

The Previous argument is clear…
There are 2 points against

1- Someone considers the calculations are just "Coincidence of Numbers"
2- The Mass current definition is against our conclusion…

For the "Coincidence of Numbers" I can write claim, If I use only the real planets data, So all Calculations show only real relationships between the planets… otherwise we couldn't use the planets data at all…

Now, for **2nd question**
Our argument Point is the Mass or even the gravity

- The Mass Creation
The question is clear but the answer is Not…

If the Mass is created independently, why each planet diameter has a relationship with the other planet diameter?

(for whom claims the coincidences… we saw there's a relationship between the sun, earth and moon diameters as example.. and this relationship creates the total solar eclipse)
It's clear question and Clear Argument against the current description and definition of the Mass…

But How to answer?

How the Planets diameters can be created by these relationships between each other? ……………. It's the Geometry….

The Geometry created the mass and the motion track in harmony to perform the Planet Motion…
This ability surpasses the gravity definition,

The Conclusion: If The Gravity Is The Force Effects On The Mass Unit… So She Couldn't Perform The Solar System Motions

Gerges Francis Tawadrous/   14
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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3-3 The Gravity

I can't accept that .. **The Planet Moves By The Gravitation Force**
Because..
There's a great harmony between the planet and his motion trajectory

The planet needs the following …… to perform his motion:
- Specific Diameter
- Specific Mass
- Specific Orbital distance
- Specific orbital inclination
- Specific axial tilt

The Planet construction geometrical features are found to be in harmony with the planet motion…

If the Planet has a different diameter or different orbital inclination He Would **NOT** Perform His Motion…

This conclusion we can reach by the Solar Planets Data analysis and not through the poor direct observation…

Because the direct observation gives us very little data about the planet motion, leaving us to the imagination and theory creation…
At the other side, the planets data analysis give us a deep vision into the planet construction process….. and now the word "pure Coincidences of numbers" will disappear…

3-3-1 The Planet Motion Trajectory

The Planet Trajectory is the secret word here
Because the planet trajectory is harmonized completely with the planet geometrical construction…
i.e.
if the Earth has a diameter = Venus diameter, she couldn't rotates her rotation daily around her axis nor her Revolution around the Sun yearly ….
Because
The Earth position (distance to the sun) is related to the Earth Diameter, and related to the Moon orbital radius and related to many other geometrical features in the whole system….
That's why we find such relationships between the planets data… these relationships create the total geometrical system based on which the planet move his motion….

That means
The Planet Motion was **In Mind** during the planet creation process…for that the planet geometrical features are build according to this specific motion… otherwise the planet couldn't perform his motion…

Gerges Francis Tawadrous/   15
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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That means,

The Motion was found before the Planet Mass Birth (may in potential form)..

So we conclude, that the planet motion is independent from his Mass
i.e.

The Planet Doesn't Move By The Gravitational Force

 Next point will explains that widely…

Gerges Francis Tawadrous/   16
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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3-4- The Sun, Jupiter & Mars Relationships
I have three specific calculations, let's see them

3-4-1 Sun Diameter * Jupiter Diameter = 200000 m km

3-4-2 Sun Diameter * Mars Diameter = 9454 mkm (2* Jupiter orbital Circumference)

3-4-3 Jupiter Diameter * Mars Diameter = 971 mkm (Earth orbital Circumference)

3-4-4 Jupiter Circumference * Mars Circumference = Sun Diameter * moon Diameter * 2
Here we should Remember that

Jupiter Circumference * Π = The Sun Diameter

Equation No. (3-4-4), we have studied in Table No. 5 page 25 (The Solar System Geometry part2 "http://vixra.org/abs/1703.0178")
(at this paper end there's a list of the author other previous papers with links)

Let's start our discussion….

3-4-1 **Sun Diameter * Jupiter Diameter = 200000 m km**
This equation has specific result .. 200000 million km..
Let's examine this value…

- **200000 mkm =**
        = 22 * 9091 m km (**Saturn** Orbital Circumference)
        = 7 * 28572 mkm (**Neptune** Orbital Circumference)
        = $R^2 \Pi^2$ (where R : Jupiter Diameter)

- **Neptune orbital circumference = Π* Saturn Orbital Circumference**

These relationships are Not enough… let's see one more

- **Jupiter Diameter *Mars Diameter= 971 (Earth Orbital Circumference)**

- **971 * Π = 3052 m km (Distance between Saturn and Neptune)**

- **3052 * Π = 9454 (2* Jupiter orbital Circumference) = Jupiter Circumference * Mars Circumference…**

(for whom claims of **The Coincidence Of Numbers**, we will leave these relationships to him as our present to the logical mind)

Gerges Francis Tawadrous/   17
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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I do this research

3-4-5 Jupiter Diameter

We know $\Pi = 22/7$

From the previous calculation, we see (Saturn orbital circumference) has 22 but (Neptune orbital circumference) has 7

Can I conclude the following!,

There are 2 planets created together to be complementary to each other, one of them his diameter defines by 7 and the other diameters defines by 22, and So they together will create Π,

Π - is important Factor to create Both planets Motions (supposition)

This is just guess!! But produces 2 results

1- If one planet is created as a complementary to another planet that means No one of both is independent because he related to his complementary … (This is similar to electron and positron both of them is created by the light and no one of them is created without the other)..

2- These 2 planets transfer their rate (Π) as parts (22 and 7) to Saturn & Neptune Orbital Circumferences…

The 2 Planets are

- **Jupiter and Mars**

Let's prove that….

- Jupiter Diameter 142984 km   * 7 = 1000000 km
- Jupiter Diameter   * 22 = $\Pi *10^6$ km

- Mars Diameter 6792 km   * 44 = 300000 km
- Mars Diameter   = $100* \Pi^2*7$

From (3-4-1) we saw that..
- (Jupiter Diameter)$^2* \Pi^2$ =200000 m km

That's our expectation…

2 Planets were created together to be complementary to each other…

Now Π is a connection between Jupiter and Mars which means both of them related to each other and no one of both is independent …

That because Jupiter and Mars diameters are built on Π components.

I want to indicate strongly to the Π role in the Solar Motions

The separation of Π into 22 & 7 was geometrical necessity to perform the planets motions, but this need more research (as the electron and positron production by the Gamma rays…which create the charges and causes the

Gerges Francis Tawadrous/   18
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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I do this research

electricity current – motions- also here Π plays a similar role in the solar Geometry but not clear yet)

Let's see the following equations to support this claim

- **Mars diameter**

- Mars Diameter * 22 000   = 149.6 million km
- Mars Diameter * Jupiter Diameter = 154.4 mkm *2Π

(**Earth Orbital Distance = 149.6 mkm Error 3.2%**)

The previous calculation tells us 2 information

- Jupiter is used in place of No. 22
- Multiplying 22 with Mars produces the Earth orbital distance (circumference)!

So, the question simply is… Why?
Let's imagine the answer…
Π was divided into 2 parts 22 and 7,
On 22 Jupiter diameter was build,
And
On 7 Mars Diameter was build
Together they create Π
What's Π which they created together?
Π is the Earth Orbital distance…..

This imagination…needs to be geometrical explanation…. We hope to reach

Let's suggest the geometrical structure (as Hypothesis), trying to see the whole picture together…

Gerges Francis Tawadrous/   19
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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3-4-6 The Geometry

Let's guess the general description…

- The same light beams (one or more) are used to create all the solar planets diameters in addition to the Sun herself…

- All the solar group Mass is created by the same light beam (or beams)

- The Creation process depended on the geometrical design ….

For that,
- All solar data are used and cooperated in the solar geometrical structure,
i.e.
- The planet diameter, Mass, orbital distance, orbital inclination….etc, all data are cooperated together to create the same geometrical design….

- That's why, we find relationships in every where in the solar group planets..

- At The sun, Jupiter & Mars connection point, the solar geometrical design created a central point, which we found through the data analysis of this relationship.
- The solar design defines Π factor to be the unit Circle Circumference at the outer vision, but this factor has very important role in the Planets Motions need to be discovered because it's hidden inside the planets inner interactions…

Gerges Francis Tawadrous/   20
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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The General Hypothesis

- The Planet Mass / another Planet Mass =
  - =A planet Orbital distance (supposed)
  - = Planet Orbital inclination
  - = Planet axial Tilt
  - = Planet Orbital Period
- The Planet Orbital distance =
  - = Planet diameter * another planet diameter
- The Planet Orbital distance
  - = Planet orbital inclination * another planet distance
  - = Planet axial Tilt * another planet distance
- The Planet axial Tilt defines his orbital rotation, period and day
- The Planet velocity is independent factor

Why the degrees = distances = days

- The degree = a distance when the arc length rate is the length unit
- Distance = days, when the degree = days as we find in the moon orbit regression, the moon orbit regress 19 degrees yearly which regresses the periods 19 days…

The General Hypothesis discussion
By this general hypothesis we may conclude the following

- The Distance between 2 planets is defined by their Masses Rate, and may by other planets Masses rate relating to the inner interactions. So the Mass rates produce the distances

- The distances between the planets define their diameters rate to each other

- The planets distances with their diameters define their orbital inclination

- The Planet velocity is Independent factor

- The planet orbital periods are rates between the planets velocity and distances

- The planets periods orbital define their axial tilt and other time Cycles

The General Hypothesis tried to conclude how the planets different data are found from each other…

Gerges Francis Tawadrous/ 21
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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3-4-6 θ angle

In the figure
Let's

- **A is The Sun**
- **B is The Earth**
- **C is The Moon**

Angle A we called **θ**
Based on the real distances

Θ = 0.142882 degree

If 0.985626 degree = 1 million km
That means the distance which is defined by **θ angle = Jupiter Diameter!**
(The distance can be defined by the angle as the arc length relating to its angle)

Does this tell us How the Jupiter diameter is created?
We should note that,
The distance between earth and Jupiter = 100 million km * 2Π

To discuss that deeply we need to study the moon and Sun Angular Diameters

So, we need to complete this discussion in point No. 4 (next Point) "The angular diameter"
But before we should support this point argument with some tables…

Gerges Francis Tawadrous/   22
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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3-5 The Planet Diameter And Its Orbital Distance

I have one more interesting table, let's see it

Table No. 3..		
(Planet diam or Circu)^2	**= Planet orbital distance (or inner distance)**	**Error**
(Mercury Radius)^2	**= 58.7 m km Mercury orbital distance**	
(Venus Diameter)^2	= 146.5 m km Earth Orbital distance	
(Earth Radius)^2	= 40.7 mkm Earth- Venus distance	
(Moon Circumference)^2	=119.9 mkm Mars – Venus distance	
(Mars Circumference)^2	= 455.6 Mars Orbital diameter	
(Jupiter Radius)^2	= 5111 m km Jupiter – Pluto distance	-
(Venus Circumference)^2	1447.2 Saturn Orbital distance	
(Uranus Diameter)^2	=2613 m km Mars Uranus Distance	
Neptune Radius * Saturn Radius = Saturn Neptune distance		
Neptune Diameter * Saturn Diameter = Pluto orbital distance		

Table No. 3 Discussion

- As we see, each Planet defines his orbital or inner distance through his diameter or Circumference squared value… except Saturn…

- Saturn is the only problem in this table…. Because Saturn doesn't define his own orbital distance he needs help from Venues, his close friend (where Strum Diameter = Venus circumference * Π)… So Venus defines Saturn distance which turns pushes the Earth and Moon to define Venus positions relating to Earth and Mars!
- But why Saturn doesn't define his own orbital distance? Because he help Neptune to define Pluto orbital distance.. and the problem here because, Pluto diameter is very small and his orbital distance is very long, and naturally this diameter can't define this orbital distance, So Saturn and Neptune Cooperates with radius of both to define the distance between Saturn and Neptune, but they used diameters of Both to define Pluto orbital distance
- We need to note that, the problem here was with **Saturn and Neptune** and these same planets who the Value (200000 m km) defines by 7 and 22 as components of Π… that tells us the problem is real and seen by different sides… but what's the problem? What's the geometrical secret here between Saturn and Neptune?
- Why the Planet Diameter or Circumference squared Value defines his orbital or inner distances?

Let's see one more important table

Gerges Francis Tawadrous/   23
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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Planet Diameter * His Orbital Distance = Another Planet Diameter * His Distance

Table 4	Error
Venus Circumference * Venus Orbital circumference =	
= Mars Circumference *1211 m km (Mars Saturn)	-
= Venus Diameter * 2637 m km (Jupiter Uranus)	1.5
= Jupiter Circumference * 57.6Mercury orbital distance	-
Earth Diameter * Earth Orbital Distance =	
=Mercury Radius * Jupiter Orbital distance	-
= Venus Circumference * 50.2 m km	-
= Neptune Radius * 77 m km	1.7
Earth Circumference* Earth Orbital Circumference =	
= Earth Radius * Pluto orbital distance	-
= Pluto Circumference * 5018 m km Jupiter Pluto distance	1.5
Mars Diameter * Mars Orbital Distance =	
= Earth Radius * 121 m km (Venus Mars Distance)	1
= Pluto Diameter * 647.7 m km (Jupiter Saturn distance)	1.2
Mars Circumference* Mars Orbital Circumference=	
= Moon Circumference * 2800 m km (Mercury Uranus)	-
= Mars * 4502.2 m km Neptune distance	-
= Jupiter Circumference * Venus orbital diameter 214	1

Gerges Francis Tawadrous/   24
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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Table No. 4 Discussion

- The table data just a sample, and we can add to it many different relationships between the planet diameter and the orbital distance
- We have 2 questions here to discuss
    o **1ˢᵗ Why it's possible to multiply the planet diameter with the orbital or inner distance?** Because both of them is made by the same stuff and through the same geometry…. i.e. the solid diameter is NOT very different from the distance between 2 planets… both of them are lines in the general geometrical structure… as we learnt from Young Experiment.. The light Coherence produces light lines and dark lines …the matter and the space both of them are made of light .. both of them are light different forms… but surely there's a geometrical reason to produce the matter or to produce the space… for this Geometry we still search…

    o 2ⁿᵈ, Why Specific Planets are related to specific Planets in the Solar System Geometry? This is the geometrical features, which we learn through our analysis and we hope to complete with the full explanation of the solar Geometry
        ▪ For Example we know there are some couples between the planets as following
            • Earth Couple Venus
            • Jupiter Couple Saturn
            • Uranus Couple Neptune
        ▪ Spite of that we know there's specific relationship between Venus and Mars,
        ▪ We know Saturn is the development of Mars but Venus connects with Saturn at his basics…
        ▪ That tells us the previous table is a treasure because he tells us about the planets inner relationships and how these relationships can be seen from each side

Let's remember one table, to define the planets orbital distance using Venus diameter

Gerges Francis Tawadrous/   25
2ⁿᵈ Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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Table No. 5 "The Planet Diameter Relation With His Orbital Distance"	Error
Planet diameter x another planet diameter= the planet orbital distance	%
❖ Mercury diameter x Venus diameter = **Mercury** orbital distance	1.9
❖ Venus diameter x moon diameter = **Venus** / Earth distance	1.4
❖ Venus diameter x Earth diameter = **Earth** orbital distance	3.1
❖ Venus diameter x Mars diameter = **Mars** orbital distance	4.7
❖ Venus diameter x Saturn diameter = **Saturn** orbital distance	1.7
❖ Mercury diameter x Jupiter diameter =**Mercury / Jupiter** distance	-
❖ (Uranus diameter)^2 = Mars / **Uranus distance**	1.1
❖ Saturn radius x Neptune diameter = **Saturn Neptune distance**	1.7
❖ Saturn diameter x Neptune diameter = **Pluto orbital distance**	1.7

- "**-**" means the error less than 1%
- The table perfectly follows the rule
- Just because Pluto diameter is small, Neptune helps to define its orbital distance by Saturn diameter, for that the Neptune /Saturn distance had to be defined by Saturn radius.

We discussed this table before, but I rewrite it here again because I want to provide one more table to define the plants orbital distance using Saturn Diameter…

Which tells us about the specific relationship between Venus and Saturn
Let's see it

(The previous table discussion is found in "the Solar System Geometry Part 2 page16 – 17 http://vixra.org/abs/1703.0178)

Gerges Francis Tawadrous/   26
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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This table we studied in (the Solar System Geometry Part2), page 16.	
Table No.6"The Planet orbital distances definition using Saturn Diameter"	Error
Planet diameter x Saturn diameter = The Planet Orbital Distance	%
❖ Venus radius x Saturn Radius diameter = **Mercury** orbital Circumference 364.5	-
❖ Moon Radius x Saturn radius = **Venus** orbital distance 104.7	3.3
❖ Mercury Radius * Saturn Radius = **Earth** orbital distance 147.0	1.7
❖ Venus diameter x Saturn diameter = **Mars** orbital distance	
❖ Earth diameter x Saturn Radius = **Jupiter** orbital distance 769	1.2
❖ Venus diameter x Saturn diameter =**Saturn Orbital** distance	1.7
❖ Saturn Circumference x Pluto Circumference= **Uranus Orbital distance** 2845.6	-
❖ Saturn diameter x Venus circumference = **Neptune orbital distance**	2
❖ Saturn diameter x Neptune diameter = **Pluto orbital distance**	1.7
• "**-**" means the error less than 1%	

Gerges Francis Tawadrous/   27
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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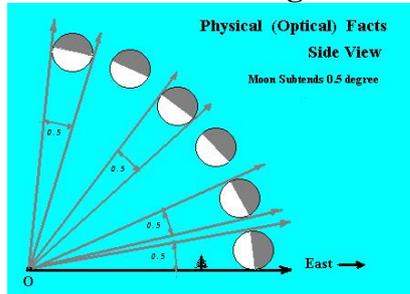**I do this research**

4- The Angular Diameter
4-1 – The Moon Angular Diameter
4-2 – The Sun Obliquity To Ecliptic 7.25 Degrees
4-3 – The Great and Small Measurements

4-1 – The Moon Angular Diameter

The Moon diameter angle = 0.5 degree
As shown in the figure,
2 sun rays touches moon diameter both sides, between them an angle = 0.5 degrees
Moon diameter = 3475 km
i.e.

0.5 degree	expresses for	3475 km
1 degree	expresses for	**6950 km**
360 degrees	expresses for	**2.502 million km**

Actually 2.5 million km is very specific value,

where 2.5 m km =
  - The moon orbital Circumference (apogee radius 406000 km) = 2.5 mkm
  - The Earth daily velocity = 2.544 mkm

But,
We know the Earth rotates around her axis **360 Degrees** daily to perform this distance 2.544 m km
How that can be understood?
Let's see the sun angular diameter

4-1 –1 The Sun Angular Diameter
The Sun diameter angle = 0.5 degree

It's similar to the moon
Sun diameter = 1392000 km
i.e.

0.5 degree	expresses for	1392000 km
1 degree	expresses for	**2.7439 million km**
360 degrees	expresses for	1002 million km

The Earth orbital Circumference = 940 million km… but it's big error we can't just accept

Gerges Francis Tawadrous/   28
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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4-2 – The Sun Obliquity To Ecliptic 7.25 Degrees

Now we suppose,
the sun diameter is decreases by rate 7.25%
so the sun diameter 1392000 – (7.25%) = 1291080 km
Now we'll repeat the process

0.5 degree	expresses for	1291080 km
1 degree	expresses for	**2.8521 million km**
360 degrees	expresses for	930 million km

So, the whole Cycle = 930 million km which is the Earth orbital Circumference

4-2-1 – one degree distance

From the previous process, we got the following:

- The 360 degrees of the moon diameter angle $\qquad$ = 2.544 mkm
- 1 degree of the sun diameter angle $\qquad$ = 2.7439 mkm
- 1 degree of the sun diameter angle (with decrease 7.25%) $\quad$ = 2.8521 mkm

Let's see some rates….

2.7439 /2.5449 (*360) = 388.2 (almost equal Sun diameter/ moon diameter rate)

2.5821 /2.5449 (*360) = 365.25 (the Earth orbital period)

2.5449/ 2.5821 (*360) = 354.6 (almost the lunar year)

2.41/2.544 (*360) = 341 **(The Nodal year 346.6 days also 2.41 m km is the moon orbital circumference).**

We have 4 questions to discuss here, they are:

1. What's useful if the moon angle full cycle define the Earth daily Velocity and the sun diameter angle defines the Earth orbital Circumference?
2. Why the moon diameter angle is 0.5 degrees? And why this same angle is the sun diameter angle?
3. Why the sun diameter decreased by 7.25% rate? What proves this is true?
4. How Jupiter Diameter is created by the angle θ= 0.142882 degree

Let's try to answer in following.

Gerges Francis Tawadrous/ $\qquad$ 29
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru $\quad$ gergesfrancis@yandex.ru $\qquad$ +201022532292

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1st Question
What's useful if the moon angle full cycle define the Earth daily Velocity and the sun diameter angle defines the Earth orbital Circumference?
Let's look at the whole data together

0.5 degree   expresses for   3475 km
360 degrees expresses for   **2.502 million km**

- The moon orbital Circumference (apogee radius 406000 km) = 2.5 mkm
- The Earth daily velocity = 2.544 mkm (Error 1.7%)

But,
We know the Earth rotates around her axis **360 Degrees** daily to perform this distance 2.544 m km

If the moon diameter angle   = 0.5 degree
How to draw to describe the angels   =360 degrees?

The concept which creates the angle 0.5 degree for the moon diameter
Is the same
Which creates the Moon orbital circumference (at apogee) to create 360 degree
                                                                        (Result No.1)

For the sun diameter
We know the Earth rotates around her axis **360 Degrees** daily to perform this distance 2.544 m km

0.5 degree   expresses for   1.2910million km
                                          (the sun diameter with decreasing 7.25%)
360 degrees expresses for   **930 million km**
                                          (The Earth orbital Circumference)..

How to write that in words?

The complete Cycle of the Moon diameter angle equals the distance which the earth moves daily during 365.25 to complete one Cycle of the sun diameter angle!!
Someone told us, the sun and moon diameters rate was only "coincidences" and the **Earth Motion Has No Relationship To Define This Both Diameters**…!

What's our conclusion:

The Sun And Moon Diameters Rate Is The Cause Or The Result Of The Earth Rotation Around Her Axis And Her Revolution Around The Sun, Where These Two Motions Are Connected Together….

Gerges Francis Tawadrous/   30
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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2nd Question
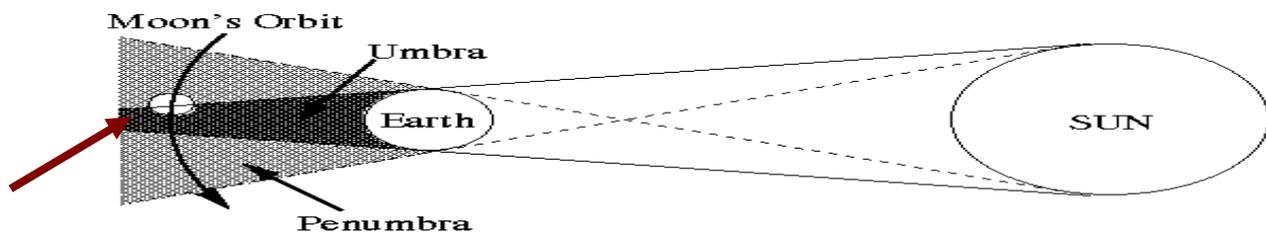
Why the moon diameter angle is 0.5 degrees? And why this same angle is the sun diameter angle?

Also we know that the total eclipse angle φ= 0.532
the diameters and distances make configuration together to perform this angle by which the total eclipse is occurring…

Not only!
Also
The lunar Eclipse umbra angle = 0.52 degree

Geometry of a Lunar Eclipse (sizes exaggerated)

The brown arrow refers to the umbra angle which = 0.52 degree
We know the umbra breadth 9000 km and umbra length =1.392 million km
So, the angle is 0.52 degree

Why?

We interest to understand how the angles work because we saw that, the different angles rate causes the motion (or result from the motion) so, this angle may tells us How the solar machines works..

Gerges Francis Tawadrous/   31
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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3rd Question

Why the sun diameter decreased by 7.25% rate? What proves this is true?

7.25 degree is the sun obliquity to ecliptic

Is it possible for sun diameter to decrease by this rate? I don't

I know 2 information only…

1- We concluded in the 1st question that the earth motion may cause as result to the angles rate, that may mean the mass is created here, because the basic argument in my papers is, the Mass is created by the motion which we discussed widely… So if the angles causes the motion may create the mass also…. In mass creation this rate decreasing 7.25% is true or not, I don't know? I found that here in the Equation…. But actually I found that before in other equations…let's see

2- In the previous paper (the Solar System Geometry part 2 – table No. 5 page no. 25)

In this table we discussed the value **9674**.4 mkm

9674.4 mkm = The Sun Diameter * Moon Diameter *2
(Note/ this value = Mars Circumference * Jupiter Circumference, we discussed this value relating to Jupiter discussion in page No. 17 in this paper)

We found the value 9674.4 mkm define many planets diameters through the moon orbit radius
But we found Pluto diameter is defined through the Sun circumference

Not through Pluto Diameter himself
But with decreasing 7.25% of his value

9674.4 mkm = 4.37 mkm (sun Circumference) * 2214 km (Pluto diameter decreasing with 7.25%)

I try to understand what the data tells us….

Is it true or Not to decrease the diameter by this value? It's still unclear…

Gerges Francis Tawadrous/   32
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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4th Question
How Jupiter Diameter is created by the angle θ= 0.142882 degree?

The angle θ is the rate between Earth /sun distance to Earth/Moon distance…
Means the rate is the same always
The angle is the same always
So, if Jupiter diameter is created by this angle he would not change by the Earth or moon motions!

How to define Jupiter Diameter?
We need
0.985626 degree = 1 million km

So **θ= 0.142882** will be = Jupiter Diameter

Where we can find this 0.9856 degree which = 1 million?

We should remember
moon diameter angle = 0.5 degree   expresses 3475 km
So the full Cycle   = 360 degrees   express 2.544 m km

2.544 mkm = The Lunar orbital circumference (at apogee 406000 km) =   The Earth Velocity daily = 0.985626 degree of the Earth Revolution around the Sun (which is the sun diameter angle full Cycle)…

Now we got the value 0.985626 degree
but
this value doesn't equal 1 million km
rather = 2.544 million km
How to solve this problem?

The Moon orbital diameter is 1 million km…
We know the apogee radius is 406000 km   i.e. its diameter = 812000 km
But that's not the whole moon orbital diameter
Because as we have studied before in the previous paper, Venus defines the moon orbit diameter around the Earth with 1 million km

Now Jupiter Diameter uses **θ= 0.142882** relating to the moon orbital diameter to create his diameter 142984 km
Please review
(The solar system geometry part 2- Research Method- Page No. 6)
http://vixra.org/abs/1703.0178

Gerges Francis Tawadrous/   33
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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4-3 – The Great and Small Measurements

Let's suppose the Matter is created by the light,
As many arguments try to tell us…
why the light around us doesn't transfer into matter (mass)?

Because of the different measurements…

The light became matter through measurement different from which we
live in

In the Solar system Geometry there are 2 different measurements…
The Light transfer into Mass through the Great Measurement but through the
small measurements we see only the motions…

So, basically the difference between these 2 measurements is the Wall between
the Matter and light (energy)…

This is very similar to the relativity theory ….

Let's see a proof that, there re 2 different measurements…

Gerges Francis Tawadrous/   34
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

IN THE ALMIGHTY GOD NAME
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I do this research

10921 km Moon Circumference * 86400 second = Earth Orbital Circumference
(Eq. 4-3)

Let's discuss this equation in details

Earth Orbital Circumference 940 million km:
Is very important Value, we discussed many time before
(=Mars diameter * Jupiter diameter)…

What does Eq. 4-3 tells us?

If the Earth moves her revolution around the Sun in 1 day only

So, The Moon Circumference will be a distance of 1 second of her motion

There's NO COINCIDENCE OF NUMBERS here
Why?

Because the planets data are real…

One day of the Sun = 1 Year of the Earth
We have 2 different times in the Solar geometry…

So, the Light becomes actually a matter
But we don't see that, we the light separated from the matter because the process is doing with another time and another measurement
Also with another velocity….

I explained many interesting ideas about this subject in the previous paper
The Solar System Geometry (Part2)
http://vixra.org/abs/1703.0178

Gerges Francis Tawadrous/   35
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +20102532292

IN THE ALMIGHTY GOD NAME
Through the Mother of God mediation
I do this research

5- The Planets parallel 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.

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)

2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

IN THE ALMIGHTY GOD NAME
Through the Mother of God mediation
I do this research

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

---

[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

Gerges Francis Tawadrous/   37
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

IN THE ALMIGHTY GOD NAME
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I do this research

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

Gerges Francis Tawadrous/   38
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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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

Gerges Francis Tawadrous/   39
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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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+273
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**

Gerges Francis Tawadrous/   40

2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..

gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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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

Gerges Francis Tawadrous/   41
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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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

Gerges Francis Tawadrous/   42
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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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).

Gerges Francis Tawadrous/   43
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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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!!

Gerges Francis Tawadrous/   44
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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AUTHOR CURRICULUM VITAE

Freelance Translator

CONTACTS	
	- **Name** : **Gerges Francis Tawdrous**
	- **Mobil** :**+2**01062723434 / +201022532292
	- **Telephone** : +222550186
	- **E-mail** : gfrancis@yandex.ru
	- mrwaheid1@yahoo.com
	- **Address** : **11 Mohmed Rageb St – EL Taawen Station- El Materiya – Cairo – Egypt**

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

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

BEST REGARDS

Gerges Francis Tawadrous/ 45
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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

Документ содержит количество листов:

Лист №1

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)

Ректор

Декан

Секретарь

Gerges Francis Tawadrous/   46
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

Государственное образовательное учреждение
высшего профессионального образования

Российский университет дружбы народов

ЗАЧЁТНАЯ КНИЖКА № 1032104509

Гергес Фрэнсис Тавадрус Гергес
(фамилия, имя, отчество)

Египет
(Гражданство)

Физ.-мат.
(факультет)

НФб+д
(Специальность)

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

Место
печати

(Проректор)

(Декан факультета)

личная подпись
студента

01.11.2010
дата выдачи
зачётной книжки

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

Каждому студенту выдаётся единый студенческий билет и единая зачётная книжка. В зачётную книжку заносятся все предметы, обязательные для прохождения, оценки по экзаменам и зачётам.

Оценка в зачётной книжке проставляется лицами, проводившими экзамены и принимавшими зачёты.

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

На время зимних и летних каникул зачётная книжка сдаётся в деканат.

Gerges Francis Tawadrous/   47
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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   **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 (1798)

Ректор   Р. Г. Стронгин

ЛИЦЕНЗИЯ Серия А № 268418 от 30 апреля 2007 года
ФЕДЕРАЛЬНАЯ СЛУЖБА ПО НАДЗОРУ В СФЕРЕ ОБРАЗОВАНИЯ И НАУКИ

Рег. № _670_   "24" июня 2008 г.

ФАКУЛЬТЕТ ИНОСТРАННЫХ СТУДЕНТОВ

Копия верна

г. Нижний Новгород

зам. декана

Gerges Francis Tawadrous/   48
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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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

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

Gerges Francis Tawdrous/   49
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

GOETHE-INSTITUT
KAIRO/ALEXANDRIA
المركز الثقافى الألمانى

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

Teilnahmebescheinigung

Hiermit wird bestätigt, dass

Herr Gerges Francis Tawdrous,

geb. am 09.10.1974 in Kairo/Ägypten,

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

Deutschkurs der Niveaustufe B2

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

teilgenommen hat.

Das Niveau des Kurses entspricht 600 Stunden Deutschunterricht.

Kairo, den 08.01.2007

Leiterin der Spracharbeit

GOETHE INSTITUT KAIRO

www.goethe.de/kairo

Gerges Francis Tawadrous/   50
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292

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Other Papers For The Author

I- The Holy Bible Studies

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

II- The Physics & Astronomy Studies

The Solar System Geometry (Part2)
http://vixra.org/abs/1703.0178

The Solar System Geometry (Part I)
http://vixra.org/abs/1509.0126

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Gerges Francis Tawadrous/   51
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
gfrancis@yandex.ru   gergesfrancis@yandex.ru   +201022532292