

The Moon Orbit Geometrical Structure (revised)
Solar System Geometry (Part 16)
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Abstract

This paper provides an explanation for The Earth Moon Puzzles
Let's remember them here:

1. Earth Moon Distance at Perigee point =363000 km = Solar Outer Planets Diameters Total (error 1%)
2. Earth Moon Distance at Apogee point =406000 km = Solar Planets Diameters Total
3. The Distance between Perigee and Apogee = 40000km = Inner Solar Planets Diameters Total = Earth Circumference.
4. Earth daily motion = The moon orbit circumference at apogee radius (r=406000 km)
5. Saturn Circumference = Earth Moon Distance at total solar eclipse radius (r=377000km)
6. **Note Please/** Solar Planets Diameters Total= 2 Jupiter diameters + 1 Saturn diameter (i.e. Jupiter diameter = 8 solar planets diameters total)

How to explain the previous relationships and why they are found?

The Research Hypothesis

"The Matter and Distance are created together from the same Energy"

i.e.

What's the Matter (Mass)?	The Mass is an Energy	($E=mc^2$)
What's the distance?	The Distance is an Energy	(hypothesis)

i.e.

From The Same Energy The Matters (Masses) And Distances Are Created

The Description Summary

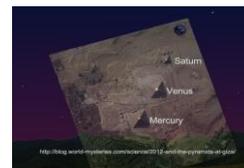
One Energy is transported from one point to another point through the solar group, this same energy creates the planets matters (masses) and causes the motion transportation from planet to another through the group. In this transportation of Energy the relativistic effects are found because the energy has different velocities in her motions through the solar group, Based on these relativistic effects, different rates of times are created and based on these different rates of time the solar group can accumulate the energy in different points to create a huge energy from the low one.

(the full description will be discussed in Point No.5 of this Paper)

S. Virgin Mary Assumption into Heaven.

Written in Cairo – Egypt

26th July 2018



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

Planetary Fact Sheet - Metric

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

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

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Introduction

The first question in this research was why we see the sun disc = the moon disc? i.e. why (the Sun diameter/ the moon diameter) = (Earth orbital distance/ Earth Moon distance)?

The answer was **"That's only Pure Coincidence" (No.1)**

Then I found another question...

The Earth-Moon Orbit circumference at apogee radius ($r=406000$ km) = 2.58 mkm = Earth daily motion... why?

"That's also Pure Coincidence" (No.2)

Then I found the moon orbit geometrical relationships which are:

1. Earth Moon Distance at Perigee point = 363000 km = Solar Outer Planets Diameters Total (error 1%)
2. Earth Moon Distance at Apogee point = 406000 km = Solar Planets Diameters Total
3. The Distance between Perigee and Apogee = 40000km = Inner Solar Planets Diameters Total = Earth Circumference.
4. Saturn Circumference = Earth Moon Distance at total solar eclipse radius (377000km)
5. **Note Please/** Solar Planets Diameters Total = 2 Jupiter diameters + 1 Saturn diameter (i.e. Jupiter diameter = 8 solar planets diameters total)

Why the previous relationships are found?

"Surely these are Pure Coincidence" (No.3)

Let's think more deeply,

The moon has to move daily a distance = Earth daily motion, otherwise The Earth and Moon will be separated from each other.. that means

- The moon should move daily = 2.58 mkm,
- We know Earth moves daily = 2.58 mkm
- Also the moon orbit circumference at apogee radius (406000km) = 2.58 mkm

Is There any relationship between the three value 2.58 mkm... ?

The answer is **"No, this is Pure Coincidence" (No.4)**

Then Metonic Cycle question is produced

Why the moon orbit regresses yearly 19 degrees? Why the moon rotates Metonic Cycle which Earth doesn't? let's think more deeply

Metonic Cycle period = 6939.75 days
= 19 x 365.25 days (19 sidereal years)
= 235 x 29.53 days (235 Synodic Months)
= 20 x 346.6 days (20 nodal years)

The previous data tells us that, the Earth motion is in harmony with Moon and Moon orbit motions, that's why the three motions finish their cycles in the same time.

Why? (by the way how The moon orbit regresses alone with the moon? does it occur with any other planet?

"Just Pure Coincidence" (No.5)

Also I found some interesting relationship

Earth Circumference = inner planets diameters total

i.e. diameters of (Mercury + Venus + The moon + Earth + Mars) = Earth Circumference
but

2 Neptune Circumference = Jupiter diameter + Saturn diameter + Uranus diameter
(error 1%)

Also I found

Earth Mass = Mercury Mass + Venus Mass+ Moon Mass + Mars Mass (error 1%)

Neptune Mass= inner Planets masses total + Uranus mass + Pluto Mass (3.3%)

Is there any geometrical reason behind all these relationships?

"Simply these are only Pure coincidences" (No.6)

Let's provide a table to make this picture as clear as possible

Table No. 1

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

The pure coincidences aren't stop here! For example

**The moon circumference (10921 km) x 86400 seconds (solar day seconds)= 940 mkm
(Earth orbital circumference)**

The previous equation tells us that" If Earth revolves around the sun one complete revolution in one day only, The Moon Circumference will = a distance of her motion for 1 second period"

So, is there any real geometrical reason behind this equation..? "absolutely NOT it's Pure Coincidence"

I found we need to search for the real geometrical reasons behind these relationships, where I can't accept any of these as Pure coincidences...

2- Research Methodology

Let's summarize the methodology in following

- I analyze the real solar planets data to understand their origins and motions
- I use NASA Planetary Fact Sheet – Metric found in page no.2 with its link
- I provide all available questions, discussion and puzzled data trying to understand the solar planets motions.
- My suggested hypothesis and ideas can be acceptable only if they found support from the solar planets data and motions

I think the idea is clear, we may remember Pythagoras right triangle, the numbers 3,4 and 5 are Not just numbers, they show the geometrical rule $3^2+4^2= 5^2$

I follow this same idea, I analyze the planets data to conclude the geometrical rules behind

Example No.1 "Mars Puzzle"

If we use Kepler 3rd Law for the solar group data, we will find the following table

$$P^2 * 25 = d^3 \text{ (Kepler 3}^{\text{rd}} \text{ Law)}$$

- P : The Planet orbital period
- d : The Planet orbital distance
- **25.2: Mars Axial Tilt**

The results are shown in the following table

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

Discussion:

The previous table I used many time in my papers, I have no explanation why Mars Axial Tilt is the constant in Kepler 3rd Law..

Some people told me I use wrong units to reach this result! I use million km for distance and day for periods.. why these are wrong units?!

For Mars full discussion please read

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

Discussion

- I try to explain my approach by each possible way,
- Some people consider such data as (Pure coincidences) and I provided this table as an example for thousands of data should be ignored because of this deceiver claim
- Now If I can persuade the scientific community that, these relationships are found based on geometrical reasons and not by "Pure coincidences", that mean we have new source for knowledge and we should add **The Planet Data Analysis Method** to the experiment and observation as physics science basic research methods..

3- The Moon Orbit Geometrical Structure

3-1 The Main Idea (the research hypothesis Explanation)

3-2 The Moon Orbit Geometrical Structure

3-1 The Main Idea (The research hypothesis Explanation)

How The Matter and distance can be created from the same energy?

- I use Young Experiment (double slit Experiment).
- Young used the light coherence and produced bright fringes and dark fringes
- I suppose that, **we see the bright fringes as matters (Planets) and the dark fringes we see as distances** (that explains how the matter and distance can be created from the same energy)
- The main point is "**we see the bright fringes as matters or planets**", this idea depends on the human mind effect on the observations results

Please review (Theory of Matter Creation)

Solar Group Geometrical Structure

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

let's summarize the idea here

- We see only the bright fringes, we never see the original light beams
- If there's a difference in velocity between me and the bright fringes = c velocity, in this case I'll see the bright fringes as a light beam (the Sun light beams)
- If the bright fringes moves with me by my velocity, so there's no difference in velocity between us, for that I'll see this bright fringes as Matters or Planets
- In all cases I see the dark fringes as distances (this point needs more research)
- I wish the reader sees with me that, the solar group is one machine or one system where the group is connected by the same one energy. Even if this same energy is shown in different forms (matters, distances ..etc) but the different forms doesn't cause to stop the Energy passing through the solar group..
- That makes the solar group is similar to a great river has many canals, each canal creates a soil on her banks. The river water here is similar to the Energy, she creates everything and have different forms, so the canals and their soils are created from the river water ... that's the same description the matter and distance are created from the same energy even if the matter is not similar to the distance but both of them are created from the same source...

Let's continue our explanation

- I claim Earth has a hidden velocity = $0.99c$ (c is light velocity), we can't observe this high velocity of Earth but we can observe its relativistic effects such as Lorentz contraction effect which will effect with a rate = 7.1
- I claim also, this velocity $0.99c$ is changed later because of the relativistic interactions, so this velocity $0.99c$ becomes $0.9999c$ which will practice also a Lorentz contraction effect with a rate 71 (Please Note the velocity $0.9999c$ is the complementary velocity to the Earth real velocity $0.0001 c$, where their total produces the light velocity c)

IN THE ALMIGHTY GOD NAME

Through the Mother of God mediation

I do this research

- Also I noticed that, the Lorentz contraction effect can be single effect or double effect, means the rates can be 7.1 or 71 and can be also $(7.1)^2$ or $(71)^2$
- Now, based on the hypothesis that "the Matter and distance are created together from the same energy", **we should consider the distances as light beams** which we see as distances, that's why these distances (and even the planets diameters) can be effected by Lorentz contraction effect

i.e.

- **The distances and planets diameters can be effected by Lorentz contraction effect**
- Lorentz contraction rates are different (7.1, 7.1^2 , 71, 71^2) in addition to one more rate 1.0725 which we discussed before in my previous paper

The Time definition

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

Note Please,

- Earth motion with high velocity should be a necessity for my description, because I claim we see the bright fringes as matters, but we'll see the bright fringes as light only if there's a difference in velocity between me and the bright fringes = c velocity... that means to see the light beams or even to see the sun herself, the difference in velocity between me and the sun should = c velocity... that's why Earth has to move with high velocity)
- The high velocity is also necessary for the solar group geometrical structure because the distances and time values can be equivalent as a relativistic effect of the high velocity, where the time and distance equivalence is one of the solar group geometrical features which we should discuss in point No.5 (The solar group full description)

3-2 The Moon Orbit Geometrical Structure

I-Data

- 1- **2095 mkm (Jupiter Uranus Distance)** = $(71)^2 \times 0.415$ mkm (Earth Moon distance at apogee radius) (error 2.3%)
- 2- **2095 mkm (Jupiter Uranus Distance)** = 7.1×295 mkm (Earth orbital diameter) (error 1.4%)
- 3- **2095 mkm (Jupiter Uranus Distance)** = $(7.1)^2 \times 41.4$ mkm (Venus Earth distance) (error less than 1%)
- 4- **2095 mkm (Jupiter Uranus Distance)** = $(120536 \text{ km Saturn diameter})^2 / 7.1$
(Error 1.4%)
- 5- **2095 mkm (Jupiter Uranus Distance)** = $6939.75 \text{ second} \times 0.3 \text{ mkm/sec}$ (light velocity) (error less than 1%)
- 6- **2095 mkm (Jupiter Uranus Distance)** = $71 \text{ mkm} \times 29.53 \text{ days}$ (synodic month)
 - a. $71 \text{ mkm} = 29.53 \text{ days (synodic month)} \times 2.41 \text{ mkm}$ the Moon orbit at radius (384000km)
 - b. $71 \text{ mkm} = 27.3 \text{ days (sidereal month)} \times 2.58 \text{ mkm}$ the Moon orbit at apogee radius (406000km)
- 7- 2.58 mkm Earth daily motion = $7.1 \times 0.363 \text{ mkm}$ (Earth Moon distance at perigee point)
- 8- 41.4 mkm (Venus Earth distance) $\times \Pi = (71)^2 \times 2$ Earth diameter
- 9- $2 \text{ Saturn Circumference} = 2 \text{ Jupiter Circumference} - \text{Jupiter diameter}$
- 10- $(\text{Saturn diameter})^2 \times 7.1 = 103155 \text{ mkm}^2$ (The area of space between perigee and Apogee points in the moon orbit)
- 11- $(\text{Earth diameter} / \text{moon diameter}) \times 71 = (2095 \times 2\pi / (7.1)^2)$

II- The Discussion

Equation No.1

$$2095 \text{ mkm (Jupiter Uranus distance)} = (71)^2 \times (0.415 \text{ mkm}) \quad (\text{error } 2.3\%)$$

(0.415 mkm Earth Moon distance at apogee point)

The distance 0.415 mkm = Earth Moon distance at apogee point 0.406 mkm with error 2.3%

Equation No. 1 tells us that the distance between Earth and the Moon at apogee point is a contracted distance from (Jupiter – Uranus Distance 2095 mkm) with a rate $(71)^2$
i.e.

The Moon orbit radius at Apogee 406000 km depends on Jupiter Uranus distance

(Result No.1)

Equation No.2

$$2095 \text{ mkm (Jupiter Uranus Distance)} = 7.1 \times 295 \text{ mkm (Earth orbital diameter)} \quad (\text{error } 1.4\%)$$

Equation No. 2 tells us that

Earth orbital diameter is a contracted distance from (Jupiter – Uranus Distance 2095 mkm) with a rate 7.1

(Equation No. 3 supports this same meaning)

i.e.

Earth orbital distance depends on Jupiter Uranus distance

(Result No.2)

Equation No.7

$$2.58 \text{ mkm Earth daily motion} = 7.1 \times 0.363 \text{ mkm (Earth Moon distance at perigee point)}$$

We have studied this Equation before,

- Earth Moon distance at perigee point = 363000 km is a contracted distance from Earth daily motion 2.58 mkm

This idea we discussed clearly in my previous paper

Earth Motion Produces the Moon Orbit

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

The Moon orbit radius at Perigee 363000 km depends on Earth daily motion which depends on Jupiter Uranus distance

(Result No.3)

Equation No. 4

$$2095 \text{ mkm (Jupiter Uranus distance)} = (\text{Saturn diameter } 120536\text{km})^2 / 7.1 \quad (\text{error } 1.4\%)$$

Equation No.4 tells us new information let's summarize it clearly as possible

- Saturn diameter squared is an area

- Jupiter Uranus distance 2095 mkm can be an area if we consider this distance 2095 mkm is a length and its breadth = 1 mkm so this distance will be an area = 2095 mkm²
- This distance 2095 mkm (or area) is a contracted distance produced from Saturn diameter square
- That tells us the distances (and even diameters) are produced from each other as one line of energy, but the energy is seen as distance or planet diameter....
- **The important data here, that Saturn is related to Jupiter Uranus distance**
- Do we remember that Saturn Circumference = Earth Moon distance at total solar eclipse point (radius 377000km)?!

What does that mean?

The Moon orbit radius at total solar eclipse = 377000km which = Saturn circumference depends on Jupiter Uranus distance

(Result No.4)

Equation No. 9

2 Saturn Circumference = 2 Jupiter Circumference – Jupiter diameter

I wish we remember another relationship which is:

Solar Planets diameters total = 2 Jupiter diameters + 1 Saturn diameter

Equation No. 9 tells us that, solar planets diameters depend on Saturn and Jupiter diameters

Where Saturn and Jupiter depend on each other

That tells us the following conclusion

The Solar Planets Diameters depend on Saturn diameter which depends on Jupiter Uranus distance

(Result No. 5)

Equation No. 10

$(\text{Saturn diameter})^2 \times 7.1 = 103155 \text{ mkm}^2$ (The area of space between perigee and Apogee points in the moon orbit)

This equation supports the meaning of Equation No. 4, telling us that, the distances (and even diameters) are produced from each other as one line of energy, but the energy is seen as distance or planet diameter....

Equation No. 8

41.4 mkm (Venus Earth distance) $\times \pi = (71)^2 \times 2$ Earth diameter

we should remember equation No. 3 where the distance 41.4 mkm depends on Jupiter Uranus distance

Equation No.3 tells us that Earth diameter is a contracted distance produced from Venus Earth distance by Lorentz contraction with rate $(71)^2$ that means

Earth diameter depends on Venus earth distance which depends on Jupiter Uranus distance

(Result No. 6)

Equation No. 5

2095 mkm (Jupiter Uranus Distance) = 6939.75 second \times 0.3mkm/sec (light velocity)
(error less than 1%)

6939.75 seconds are required for the light to pass the distance from Jupiter to Uranus, I claim this value 6939.75 seconds is the reason of Metonic Cycle (6939.75 days), and because of the great importance of this equation we'll discuss it in Point No. 4.

The Conclusions:

- 1- Earth Moon Orbit at Perigee point (0.363 mk) depends **on Jupiter Uranus distance**
- 2- Earth Moon Orbit at Apogee point (0.406 mk) depends **on Jupiter Uranus distance**
- 3- Earth Moon Orbit at total solar eclipse (0.377mk) depends **on Jupiter Uranus distance**
- 4- Saturn diameter (and all solar planets diameters including Earth diameter) depends **on Jupiter Uranus distance**
- 5- Metonic Cycle is created depending **on Jupiter Uranus distance**

The Conclusion

Because there's **one source** for all these elements I conclude,

There are Geometrical Reasons Behind The Moon Orbit

Relationships:

- 1- Earth Moon Distance at Perigee point = 363000 km = Solar Outer Planets Diameters Total (error 1%)
- 2- Earth Moon Distance at Apogee point = 406000 km = Solar Planets Diameters Total
- 3- The Distance between Perigee and Apogee = 40000km = Inner Solar Planets Diameters Total = Earth Circumference.
- 4- Earth daily motion = The moon orbit circumference at apogee radius (r=406000 km)
- 5- Saturn Circumference = Earth Moon Distance at total solar eclipse radius (r=377000km)
- 6- Note Please/ Solar Planets Diameters Total= 2 Jupiter diameters + 1 Saturn diameter (i.e. Jupiter diameter = 8 solar planets diameters total)

Note please

The value $(71)^2 = 5041$ and The Mercury day needs 5040 seconds to be 176 days, that tells my conclusions are in the correct way where the necessary value (5040) is found clearly because of the geometrical reasons...

4- Metonic Cycle is a relativistic motion

4-1 Metonic Cycle is produced by light motion from Jupiter to Uranus

4-2 Mercury Day

4-1 Metonic Cycle is produced by light motion from Jupiter to Uranus

I- Data

Equation No.1

$$6939.75 \text{ seconds} \times c \text{ velocity} = 2094 \text{ million km (Jupiter Uranus Distance)}$$

Equation No.2

$$6939.75 = 97.8 \times 71 = (71)^2 \times 1.392$$

a- $(97.8)^2 \times c \text{ velocity} = 2872.5 \text{ mkm}$

b- $97.8 \text{ second} \times 1.16 \text{ mkm/sec} = 113.45 \text{ mkm}$

c- $97.8 \text{ degrees} = 122.5 \text{ degrees} \times 0.8 \text{ degrees}$

Equation No.3

$$86400 \times 2 = 6939.75 \times 25.2 \text{ (error 1\%)}$$

Equation No.4

$$86400 = 5040 \times 17.14$$

Equation No.5

$$5041 = (71)^2$$

Equation No.6

- During Metonic Cycle Mercury moves a distance = Neptune orbital circumference
- During Metonic Cycle Earth moves a distance = Uranus orbital circumference
- During Metonic Cycle Saturn moves a distance = Mercury Pluto Distance
- During Metonic Cycle Pluto moves a distance = Mercury Uranus Distance

Equation No.7

$$(\text{Mercury velocity} / \text{Saturn Velocity}) = (6939.75 / 1407.6)$$

II- The Discussion

Equation No.1

$$6939.75 \text{ seconds} \times c \text{ velocity} = 2094 \text{ million km (Jupiter Uranus Distance)}$$

- The Equation tells us that, light needs 6939.75 seconds to pass the distance between Jupiter and Uranus
- We know the Moon rotates Metonic Cycle for 19 years = 6939.75 days
- We may conclude that Metonic Cycle is found because of the light motion from Jupiter to Uranus
- 1 second of light motion from Jupiter to Uranus become 1 day in the moon motion in Metonic Cycle (**That Means The Moon follows The Light Motion But With Different Rate Of Time**)
- The previous description is just supposition, let's try to know if it's real in following

Equation No.2

$$6939.75 = 97.8 \times 71 = (71)^2 \times 1.392 \quad \text{(error 1.1\%)}$$

- This equation tells us that the period 6939.75 suffers from single Lorentz contraction to produce the value 97.8 seconds... Lorentz contraction rate 71 is found by a motion with velocity = 0.9999c which we have discussed in details in previous paper

The Sun Data shows Relativistic Effects (revised)

<http://vixra.org/abs/1806.0209>

- The value 97.8 seconds is very important, let's see its importance through the sub-equations a, b & c

a- $(97.8)^2 \times c \text{ velocity} = 2872.5 \text{ mkm}$

Equation (a) tells us that Uranus Orbital distance depends basically on this value 97.8 seconds which is produced by Lorentz contraction from light motion period from Jupiter to Uranus (6939.75 seconds)

b- $97.8 \text{ second} \times 1.16 \text{ mkm/sec} = 113.45 \text{ mkm}$

Earth Axial Tilt = 23.45 degrees, but one vertical = 23.45 +90= 113.45 degrees. From Mercury orbital circumference we know that 1 degree can be = 1 million km... That means the value 113.45 mkm is Earth Axial Tilt on vertical axis and that proves the relationship between Earth Axial Tilt and Uranus Axial Tilt.

c- $97.8 \text{ degrees} = 122.5 \text{ degrees} \times 0.8 \text{ degrees}$

97.8 degrees is Uranus Axial Tilt

122.5 degrees is Pluto Axial Tilt

0.8 degree is Uranus Orbital inclination

The equation tells us that Pluto axial is found completely depends on Uranus Data

In brief

Equation No. 2

$$6939.75 = 97.8 \times 71 = (71)^2 \times 1.392$$

The equation tells us that the Sun diameter is found based on this equation.

The sun is created depends on the light motion from Jupiter to Uranus using the Lorentz contraction effect to produce the sun

i.e.

In fact the sun is created based on relativistic effects

That explains to us why Uranus Orbital distance 2872.5mkm is the most important distance in the solar group

$$C^2 = \pi^3 \times 2872.5 \text{ mkm (error 1\%)}$$

This equation we knew, and we know that π^3 is produced based on a relationship between Jupiter and Uranus, also we found that the period 6939.75 seconds is needed for the light to pass from Jupiter to Uranus

Also we know

$$\text{The sun diameter} = \text{Jupiter diameter} \times \pi^2$$

All that confirms the same meaning of Equation No.2

$$6939.75 = 97.8 \times 71 = (71)^2 \times 1.392$$

That the sun is created based on this equation using Lorentz contraction

Equation No.3

$$86400 \times 2 = 6939.75 \times 25.2 \quad (\text{error } 1\%)$$

This equation has specific importance let's discuss its components

- 1- 86400 mkm x 2 = solar group total energy, as we have studied in my paper Solar Group Geometrical Structure <http://vixra.org/abs/1805.0081>
- 2- The value 6939.75 is the main value of this chapter where 6939.75 seconds is the time needed by light to pass from Jupiter to Uranus, but 6939.75 days is Metonic Cycle
- 3- 25.2 is Mars axial tilt... that tells us why Mars axial Tilt is the constant in kepler equation..... Please review 3-4

4-2 Mercury Day

I-Data

Equation No.4

$$86400 = 5040 \times 17.14$$

- Mercury Day needs 84 minutes = 5040 seconds to be 176 days (mercury day = 4222.6 hours)

- 5041 (71)²

II- The Discussion

First: Mercury Day

1- There's an idea we can conclude from this data as following:

Mars immigration caused Mercury day to be decreased for this period 84 minutes

The mechanism is unclear but the data supports that completely..

We should notice that the mechanism is absolute complex because this process is done through using Lorentz contraction effect to produce the sun...

Please review

Mars Immigration Proves (Revised) <http://vixra.org/abs/1807.0268>

Second: the Value 17.14

Pluto Orbital Inclination= 17.2 degrees

Uranus day = 17.2 days

This value 17.2 in all its forms are found basically based on equation No. 4

Let's try to understand clearly as possible

- Solar inner planets orbital inclinations total = 17.4 degrees (7 mercury+ 3.4 Venus+ 5.1 the moon+ 1.9 Mars)

$$(17.2/17.4) = 0.99$$

This rate 0.99 is one of the main geometrical features of the solar group structure.. Let's provide the data in following

- 1- 4 planets Masses (Mercury + Venus+ The moon + Mars) = 0.99 of Earth Mass
- 2- Lorentz contraction in all my discussion depends on a velocity = 0.99c
- 3- 361 degrees /365.25 days = 0.99 (where 361 degrees is Metonic Cycle degrees = 19 degrees yearly x 19 years)

The Discussion

The previous Data tells us that the rate 99% is one of the solar group geometrical features... let's explain that clearly

- Pluto orbital inclination 17.2 defines the solar inner planets orbital inclinational total 17.4 based on the rate (99/100)
- Pluto received this same value 17.2 degrees from Equation No.4 theoretically, but in fact he receives this value from Uranus practically, where Uranus day = 17.2 days!

To understand that let's stud the following equation

$$2 \times 86400 \text{ mkm} = 60 \times 2872.5 \text{ mkm (Uranus Orbital Distance)}$$

The previous equation tells us that

- Solar group total energy = 60 x (Uranus Orbital Distance)
- But why 60 is important rate here?
- Because 1 hour = 60 minutes and 1 minute = 60 seconds....

In my previous paper

The Time Definition

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

- I explained How the distance values become time value as relativistic effect... the rate 60 is very important because these same distances are work as time values In this previous paper we have discussed the concept which is "the solar group unifies the distance to make different rates of time to create the seconds, minutes, hours...etc."

In next I provide more data proves that this rate 60 is one of the basic geometrical features in the solar group...

- Neptune Orbital diameter = 60 x Earth orbital distance
- 2 x Venus Uranus distance = 60 x Mercury Earth Distance
- 2 x Jupiter Pluto distance = 60 x Mercury Mars distance
- 3600 mkm = 30 x Venus Mars Distance
(note $C^2 - 86400 \text{ mkm} = 3600 \text{ mkm}$ but we know that the solar total $2 \times 86400 \text{ mkm}$ means the value 3600 will be double and the number 30 will be 60)
- Moon orbital circumference = 60 x Earth Circumference
- Jupiter diameter = 60 x Pluto diameter
(The greatest and smallest diameters)
- Solar planets diameters total = 60 x Mars diameter
(we know that Mars is specific planet in the solar group)

5- An Alternative Solar Group Description

In this point I discuss why the Solar Group Current Description is insufficient! and provide my alternative one

Let's perform this task in next 2 points.

1st / Why The Current Description is Insufficient?

2nd / The Alternative Description

1st / Why The Current Description is Insufficient?

The current theories tell us that, the solar planet moves by gravity forces between his and the sun masses, where the planet defines his orbital distance according to this gravity forces... So the solar group current description shows the solar planets as separated points meet each other only through the sun.

Also the main effective relationship is the sun-planet relationship where the planet-planet relationship is very weak because of the sun massive Mass..

The solar planets, according to the current description, are created from a star was following the sun, later exploded and from his material the solar planets are created by gravity (means the solar planets matters are created by random and there is no any relationship between the planets diameters)

The Current Description Problems

- 1- No one knows How the matter is created? the star story gives us nothing about the matter, simply we don't know how the matter is created? or why the mass produces the gravity?
- 2- The gravity which is the main force in this description still puzzle till now! No one knows the gravity mechanism or if it needs time to work!
- 3- **The main problem** in this description is **the Planet Data Inconsistency**, where the description tells us that Mercury Orbital Distance = 57.9 mkm because of the gravity between his and the sun masses. But the description tells us no explanation why Mercury Diameter = 4879 km or why his orbital inclination = 7 degrees...we can see easily that the description **uses some of the planet data** and ignores simply the other data and by such way the solar planet data become inconsistent...
- 4- This problem produces worse result. Where there's no explanation for the planet ignored data, each relationship is found with this data will be just pure coincidence!

The main question still needs answer... ***How the matter is created?***

Again let's provide our old puzzle one more time here ...

Why we see the sun disc = the moon disc? Because (the Sun diameter /the moon diameter) = (Earth Orbital Distance/ Earth Moon Distance)? Why The Diameters Rate =The Distances Rate? no answer for this question because no one knows How the matter is created?

The matter creation was and will be our main difficulty to see the truth. The matter is the player in every point around us, she does the motion and tells us there's a physical law behind.. the Matter is The Knowledge Messenger...

2nd / The Alternative Description

My suggested Description provides the answer for the main question "How the Matter is created ...let's write that at immediately here..."

What's the Matter (Mass)?	The Mass is an Energy	($E=mc^2$)
What's the distance?	The Distance is an Energy	(hypothesis)

i.e.

From The Same Energy The Matters (Masses) And Distances Are Created

The Description Summary

One unified Energy is transported from one point to another point through the solar group, this same energy creates the planets matters (masses) and causes the motion transportation from planet to another through the group. In this transportation of Energy the relativistic effects are found because the energy has different velocities in her motions through the group

Based on these relativistic effects, different rates of times are created and based on these different rates of time the solar group can accumulate the energy in different points to create a huge energy from the low one.

Let's summarize the description main points in following:

- 1- General Description
- 2- Main Relationship
- 3- Motion Transportation
- 4- Relativistic And Non-Relativistic motions
- 5- Distance And Time Values Equivalence
- 6- How the Distance And Time Values can be equivalent?
- 7- Energy Accumulation Concept (Why time and distance values are equivalent)

Let's provide a brief statement about each point in following:

1- General Description

- One Unified Energy travels from one point to another point through the solar group, in her travel this unified Energy creates the planet matter and the distance from planet to another planet.
- for Example, the Energy comes from the sun toward Mercury, so she builds firstly Mercury orbital distance and then will build Mercury Planet Mass. Then this same Energy will move toward Venus to build the distance between Mercury and Venus and then will build Venus Planet Mass....etc (Note/ this example is for explanation only, because the Energy real trajectory is more complex)
- This description makes the planet-planet relationship is strong as much as the sun-planet relationship.
- Let's summarize the idea in a sentence "**One Unified Energy builds the Distance and Mass of all solar planets**"
- This description makes the solar group similar to one line of Energy (a necklace)
- Also this description makes the solar group similar to a great river has many canals, each canal creates a soil on her banks. The river water here is similar to the Energy, she creates everything and have different forms, so the canals and their soils are

created from the river water ... that's the same description the matter and distance are created from the same energy even if the matter is not similar to the distance but both of them are created from the same source...

2- Main Relationship

- The problem becomes clear now, because the Energy is transported in different forms as mass, distance or time values.. how can we see the main geometrical pillars of the solar group where there thousands of relationships are found? What relationship is the main one?
- The main relationship is the relationship which connects many planets. For Example Mars Axial Tilt 25.2 degrees works as the constant in Kepler 3rd law (table No.1 is found at End of this introduction).. from this table we see that the constant 25 = Mars Axial Tilt, this tells us that, this Value 25 effects on all solar planets.. even if we don't know why or how but this value (25.2 Mars Axial Tilt) is one of the main solar geometrical structure Values.
- **The Description Main advantage** is the integration and cooperation between the solar planets... which makes the solar group as one machine, that means the value 25.2 will be Mars axial tilt in any place we find it. In more clear The sun Diameter = Venus Diameter x 115.2 (this value 115.2 is Mars Axial Tilt uses its vertical value i.e. $115.2 = 25.2 + 90$) ...means the sun diameter is defined based on Venus diameter with help from Mars Axial tilt.

3- Motion Transportation

- Similar to the transported motion from one gear to another, the motion is transported from one planet to another and through the motion transportation the energy is transported also from point to another through the solar group...
- We should pay attention to the motion transportation sequence Because it's not necessary to transport the motion by the current solar planets sequence There are 2 reasons for that
- **1st Reason** – The planets positions from the sun may change through the history – as I suggested before that Mars immigrated from his original point at 84 mkm to the sun to dwell in his new point in 227.9 mkm to the sun.... this change of Mars orbital distance– if real- causes a disturbance for Motion transportation sequence... the Sun Please review: Data shows Relativistic Effects (revised) <http://vixra.org/abs/1806.0209>
- **2nd - Reason** – the planets positions relative to each other... where I claimed that some planets suffer from Relativistic effects but other don't... that may cause more disturbance for the motion transportation sequence....
- Can we discover the motion transportation real sequence? Yes ... because the Energy is transported from point to another through the solar group and we can follow this Energy trajectory to see clearly the motion transportation sequence.

4- Relativistic and Non-Relativistic Motions

The Description Main Hypothesis

- "There's a physical point in the solar group moves with light velocity relative to another physical point in the solar group"
- This high velocity motion causes relativistic effects on the planets orbital distances and periods
- Because the solar group is one machine or one integrated system, these relativistic effects can be observed in different points in the solar group...
- We can't observe this high velocity motion but we can observe and record the relativistic effects
- So my work is to rewrite the solar planets data in a form shows the relativistic effects, where the planets data consistency will be a crucial proof for my claim.
- If we can perform this task and **prove that there are relativistic effects** in the solar group, that will make the solar group another source to study the Special Theory of relativity by which we can test and develop the theory basics and concepts.
- The proves and discussion of this claim are written in Point No.5 of this Paper

5- Distance And Time Values Equivalence

The Special Theory of Relativity tells us that

If a particle (energy) moves with c velocity the following relativistic effects may be observed:

- 1st- Time Dilation
- 2nd- Length Contraction
- 3rd- Mass Increasing
- 4th- **Time And Distance Values become equivalent...**

Point No. 4th is my conclusion I got by the solar planets data analysis, and this is my suggested contribution in the Special Theory of Relativity

Let's Provide an example to explain how I reach to this conclusion...

- 25920 years is the Cycle of Precession.

But

- Light moves during the solar day 86400 seconds a distance = 25920 million km

Also

- Solar Planets velocities total 17.6 mkm/ daily x 1461 days (Earth 4-years Cycle_ = 25920 mkm

As we see in the previous relationships... the value 25920 are seen 2 times one in time units and the other in distance units.... The same value are seen in different units...

Because this situation is repeated hundreds of times I found it's necessary to find a logical explanation for that..

So I suggested that, the Distance and Time Values become equivalent with high velocity as relativistic effect ... I concluded that basically because not all distance and time values can be equivalent but only a great part of them which can't be pure coincidences ... so I searched for specific reason behind and suggested this one..

- Let's see another example for more explanation
 - o Jupiter Orbital Period 4331 days = Mars Orbital Period 687 days $\times 2\pi$... this equation tells us that these orbital periods are energy transported from one point to another, as the motion transportation from one gear to another.... The time values here are equivalent to distance values, (as the factor 2π tells us) but these values become time values because of the relativistic effects in the solar group...now we can see that, this equation has a physical reason behind and not pure coincidence...

(Review Table No.2 for equivalent time and distance values at end of this introduction)

I want to explain that, the time and distance values equivalence is one of the main Pillars in the solar system geometrical structure, so this isn't limited case in the solar group rather an extending case ...

- Let's see one more example for more explanation

$$2 \times 86400 \text{ mkm} = 60 \times 2872.5 \text{ mkm} \text{ (Uranus Orbital Distance)}$$

The previous Equation has very specific importance in the solar group

Let's remember its components

- **The value $2 \times 86400 \text{ mkm}$** is the solar group main energy, this value we have discussed in details with Jupiter Energy in my previous paper "Solar Group Geometrical Structure" <http://vixra.org/abs/1805.0081>
- **2872.5 mkm Uranus orbital Distance** is very important distance in the solar group because Uranus is the main player in the sun creation process, we have discussed that before in "The Time definition" <http://vixra.org/abs/1805.0523>
- **The value 60:** is a famous rate in the solar group, and it's found basically because 1hour = 60 minutes and 1 minute = 60 seconds.... Means this rate is found between the distances because these same distances are worked as units of time in different cases that's why this rate 60 is required...(please review Table No.3 in End of this introduction for a complete list for the rate 60)

6- How the Distance And Time Values can be equivalent?

The Distance And Time Values are equivalent! What does that mean?

What distance is equivalent to what time?

I'll write here the general conclusion of this argument but the discussion and arguments are found in Point No.6 of this paper

The General Conclusion

- The solar system uses a unified distance, say 1 million km, for different times rates!
i.e.

- There's a cycle in which 1 mkm = 1 second
- There's another cycle in which 1 mkm = 1 minute
- There's another cycle in which 1 mkm = 1 hour
- There's another cycle in which 1 mkm = 1 day
- There's another cycle in which 1 mkm = 1 week
- There's another cycle in which 1 mkm = 1 month
- There's another cycle in which 1 mkm = 1 year
- There's another cycle in which 1 mkm = 1 Earth Cycle (1461 days)
- That means the same distance works for many Cycle periods... why?

The solar group geometry uses the unified distances to create different rates of time
What does that mean?

The distance also has different rates! Yes the time has day, minute and seconds...etc
But the distance has km and thousand km and million km andetc
So, how to understand this conclusion?

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

The time different rates have cycles in the solar group to make these rates are shown

That's why the humanity knew all time rates.... year, month, week, day, minute, seconds
These values are standard for the universe regardless the people knowledge
But for distance, people uses km, miles, cubesetc

Solar Group Geometrical Design

The previous conclusion is interesting, the time periods are clear for people but distances aren't that because the universe geometry explains the time different values and rates..
Interesting idea....

But what's the useful result form it?

Why the time different rates and values are seen but the distances aren't?

Because the distances are unified but the time values are specific and shown by cycles

So, the 1 million km which we used in previous data is the same

But with different rates of time..!

Now let's ask

why the solar geometry does that?! Because

The Energy accumulation process depends on different rates of time

7- Energy Accumulation Concept (Why time and distance values are equivalent)

By the different rates of time Earth motion can produce the Sun Energy i.e.

What the Earth moved along complete year, the sun can uses for one day only

so we can see how the energy is accumulated

let's summarize all that in clear idea

-The main Idea Summary

- Based on the solar group relativistic motions, time values can be seen as distances values
- The solar geometry uses unified distances to create different values of time, which are seen by different cycles
- The time different values depend on each other to create different rates of time
- By this different rates of time the Energy can be accumulated to produce huge energy from average one.
- Based on this description, the solar planets motions produce the sun light beams

This claim proves and discussion will be in point No.7 of this paper

Please See also

Solar Group Geometrical Structure

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

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

1- Introduction

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

I called this phenomenon

"The 2737 Egyptian Astronomic Phenomenon"

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

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

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

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



Some interests we got by 2737 Egyptian phenomenon:

- ❖ **First** we know that the Pyramids builders recognized the different astronomic cycles, and especially 2737 phenomenon, for that they built just 3 pyramids at its parallel line.
- ❖ **Second**, we know that the Pyramids builders knew the relative distances between the planets and built the pyramids at their rates!
- ❖ **Third** where the 2737 phenomenon repeated on 3rd December 2012 for the third time, so the Number 8211 years is important number for human life or at least for the pyramids age.
- ❖ **Fourth**, I may claim that the Pyramids builders built the three Pyramids specifically for the 2737 Egyptian phenomenon.
- ❖ **Note:** The Great Pyramid Height is 5776 Egyptian inches = the distance between the Sun & Pluto (each inch = 1 million kilometer)

1ST SECTION

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

We know that the moon turns with the Earth around the sun, so why the lunar year which equals 354.36 days (lunar Synodic period 29.53 days x 12 months) doesn't correspond to the Sidereal year that equals 365.25 days at any cycle?

We see the 32 Sidereal year a cycle = 11688 days

But the Lunar year cycle = 33 years - **5.81 days** = 11693.88 - 5.8 = 11688

And why there's this addition 5.81 days to prevent both periods to meet each other

We know that the plane of lunar orbit regresses 19 degrees each year that causes the eclipse to come early 19 days each year²

So that said the movement of 19 degrees causes change for 19 days

And now we see the lunar year come early 5.81 days, and the lunar plane has inclination to ecliptic equal approximately 5.14 degrees...

Can I suppose that this difference between Sidereal Cycle 11688 days and Lunar Cycle 11693.88 days which equals 5.8 days caused by the lunar plane inclination 5.14 degrees (later we will discuss How?) When we divided this inclination value 5.14 degrees (or the period 5.8 days) at 360 we find that,

The Lunar orbital inclination causes the lunar Synodic day to come early approximately 21 minutes daily..

That lead to the following results

- The correct Synodic month is 29.515
- The correct Synodic year is 354.1818 days And by such way

The lunar cycle which contain 33 Synodic year = 11687.999days

The Sidereal Cycles which contain 32 sidereal year = 11688 days

Where both come to end in the same day

And So the cycle of 32 sidereal years equals 33 modified Lunar Synodic years (modified lunar year = 354.1818 days) perfectly

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

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

2ND SECTION

The Basic Lunar Year 360 Days

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

But there's another year related to the moon,

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

So $5.8 + 354.1818 = 360$ days approximately

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

The Basic Lunar Year

Now we have three types of years

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

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

3RD SECTION

The 2737 Egyptian Astronomic Phenomenon depends on Metonic Cycle

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

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

Metonic Cycle Number	Sidereal years No. (365.25 days)	Number of modified Lunar year (equals 354.1818 days)		The Basic lunar Year Numbers (360 days) For each Metonic Cycle
		Lunar years in each Metonic cycle	The Lunar years (354.1818days) Numbers For each Metonic Cycle	
M. Cycle 1	19 S. Year	19	19 Lunar Y. + 210.295 days	19 BLY (Basic Lunar Year) + 99.75d(days)
M. Cycle 2	38 S. Y	20	38 L. Y. +420.59d = 39 L. Y + 66.408 d	38 BLY+ 199.5 d
M. Cycle 3	57 S. Y	19	58 L. Y + 276.703 d	57 BLY+ 299.25d
M. Cycle 4	76 S. Y	20	77 L. Y +486.998 d = 78 L. Y +132.8162 d	76 BLY+399d = 77 BLY+39 days
M. Cycle 5	95 S. Y	19	97 L. Y + 343.111d	96 BLY+138.75d
M. Cycle 6	114 S. Y	20	116 L.Y +553.406d = 117 L. Y + 199.224d	115 BLY+ 238.5d
M. Cycle 7	133 S. Y	20	136 L. Y +409.519d= 137 L. Y +55.3374d	134BLY+ 338.25d
M. Cycle 8	152 S. Y	19	156 L. Y +265.6324d	153 BLY+438d= 154 BLY+78days
M. Cycle 9	171 S. Y	20	175 L. Y +475.9274d= 176 L. Y + 121.745d	173 BLY+ 17.75d
M. Cycle 10	190 S. Y	19	195 L. Y+ 332.0406d	192 BLY+ 277.5d
M. Cycle 11	209 S. Y	20	214L.Y +542.3356d= 215 L. Y +188.1538d	211 BLY+ 37.25d = 212 BLY+ 17.25d
M. Cycle 12	228 S. Y	20	234 L. Y +398.4488d= 235 L. Y +44.267d	231 BLY+117d
M. Cycle 13	247 S. Y	19	254 L. Y +254.652d	250BLY+ 216.75d
M. Cycle 14	266 S. Y	20	273 L. Y +464.857d= 274 L. Y + 110.675d	269 BLY+216.5d
M. Cycle 15	285 S. Y	19	293 L. Y +320.9702d	288 BLY+416.25d= 289 BLY+56.25d
M. Cycle 16	304 S. Y	20	321L.Y +531.2653d= 313 L. Y +17.0834d	308 BLY+156d
M. Cycle 17	323 S. Y	20	332 L. Y +387.378d= 333 L. Y + 33.1966d	327 BLY+255.75d
M. Cycle 18	342 S. Y	19	352L.Y+ 243.4916d	346 BLY+ 355.5d
M. Cycle 19	361 S. Y	20	371L.Y +453.7866d= 372 L. Y + 99.60486d	365 BLY+455.25d= 366 BLY+ 95.25d
M. Cycle 20	380 S. Y	19	391 L. Y + 309.8992d	385 BLY+195d
M. Cycle 21	399 S. Y	20	410 L. Y + 520.1948d= 411 L. Y +166.013d	404 BLY+294.75 d
M. Cycle 22	418 S. Y	20	430 L. Y +376.308d 431 L. Y +22.12626d	423 BLY+394.5d= 424 BLY+ 34.25d
M. Cycle 23	437 S. Y	19	450 L. Y + 232.4212d	443 BLY+ 134.25d
M. Cycle 24	456 S. Y	20	469 L. Y +442.7162d= 470 L. Y + 88.5344d	462 BLY+ 234d
M. Cycle 25	475 S. Y	19	489 L. Y +298.829d	481 BLY+ 333.75d
M. Cycle 26	494 S.	20	508 L. Y + 509.1244d= 509 L. Y + 154.9426d	500 BLY+433.5d= 501 BLY+ 73.5d
M. Cycle 27	513 S. Y	20	528 L. Y +365.2376d=	520 BLY+173.25d

IN THE ALMIGHTY GOD NAME
Through the Mother of God mediation

I do this research

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

The Previous Table Study classified into 2 parts

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

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

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

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

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

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

We still have 2 question to answer respectively

The First Question

says we got relation to the Cycle 2736 Sidereal years and not to 2737 Sidereal years phenomenon?

And how 2736 Cycle related to 2737 Cycle?

the answer

As we know Metonic Cycle is 6939.75days

We know Saros Cycle is 6585.35 days

And the difference between both is 354.2 days

Which equals a modified lunar year approximately..

While Metonic Cycle connected to Saros Cycle completely because the Metonic Cycle is The lunar Orbit Cycle and Saros Cycle is The Eclipse Cycles that made by the Moon itself.. all that say to us, there's great connection between both Cycles..

Because there's a complete year difference between them (regardless the explanation of How that occur!)

And we see this Cycle 2736 Sidereal years needs **a complete sidereal year** to be our phenomenon 2737 ...

So Both connected with Great Relation

While the first one depends on the Metonic Cycle that means the second also does.

The Second question about the minus day

39 days we found and the decreasing is 10 days each 684 Sidereal years means after 4 Cycles (2736 Sidereal years) the number 39 will decrease to be -1 day.. means the Metonic Cycle will finish after the last Basic lunar year day with one complete day..

So each 2736 Sidereal years we have -1 day

So this Cycle will continues to be 10 (-10) days and to consume in one Cycle 3736 Sideral Years Where 27360 Sidereal years = 1440 Metonic Cycles (which we may call astronomy full day where the solar day equals 1440 Minutes).

A comment on

The Egyptian Astronomic Phenomenon 2737

I'm very surprised that there's no any study dealt "the 2737 Egyptian astronomic phenomenon"!

I see that not logical because the phenomenon tells us there were other people understood perfectly the universe astronomy and they gave us a great gift by building the great three pyramids as a references to such phenomenon, so why the modern astronomy doesn't try to compare our knowledge with theirs through encourage the studies and reports about this 2737 Egyptian astronomic phenomenon.. actually it's illogical to neglect such very great gift we didn't work for, but even got it without any payments or efforts, and its data are available to us to compare our knowledge with ancient knowledge and correct ourselves if it's necessary!!

5-3 Is there an Earthquake, will be done as a result for the 2737 phenomenon?

- Earth moves toward the sun 1 km daily ... means during 8211 years (2737 years x 3) the Earth moves 3 million km toward the sun
i.e. Earth Orbital distance was 153 million km and become now 150 million km

- The greatest Earthquake may be done during 17/7/2018 to 28/7/2018

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EDUCATION

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

LANGUAGES

I provide the following translation

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

SERVICES

WORK EXPERIENCE

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

COMPUTER SKILLS

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

PERSONAL DATA

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

BEST REGARDS

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

РОССИЙСКАЯ
ФЕДЕРАЦИЯ



г. Москва

ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ
БЮДЖЕТНОЕ ОБРАЗОВАТЕЛЬНОЕ
УЧРЕЖДЕНИЕ ВЫСШЕГО
ПРОФЕССИОНАЛЬНОГО ОБРАЗОВАНИЯ

«Российский университет
дружбы народов»

АКАДЕМИЧЕСКАЯ
СПРАВКА
АВ 3048222

5429/н

(регистрационный номер)

11 сентября 2012

года
(дата выдачи)

Фамилия, имя, отчество

Гергес Фрэнсис Тавдрус Гергес

Дата рождения 09 октября 1974 года

Предыдущий документ об образовании

Сертификат о полном среднем образовании, 1994 год, Египет

Вступительные испытания прошел
Поступил (а) в

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

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

Нормативный период обучения по очной форме 4 года

Направление/специальность Физика

Специализация не предусмотрена

Курсовые работы:

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

Практика:

не проходил

Итоговые государственные экзамены:

не сдавал

Выполнение выпускной квалификационной работы

не выполнял

Продолжение см. на обороте

Ректор

Декан

Секретарь



Документ содержит количество листов:

Лист №1

Государственное образовательное учреждение
высшего профессионального образования
Российский университет дружбы народов

ЗАЧЕТНАЯ КНИЖКА № 1032104509

Гергес Франсис Тавдрус Гергес
(фамилия, имя, отчество)

Египет
(Гражданство)

Физ.-мат.
(факультет)

НФ6+Д
(Специальность)

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

Личная подпись студента
01.11.2010
Дата выдачи зачетной книжки

(Подпись)
(Проректор)

(Подпись)
(Декан факультета)

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

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

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

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

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

ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ОБРАЗОВАНИЮ



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

СЕРТИФИКАТ

О ПОДГОТОВКЕ К ПОСТУПЛЕНИЮ В ВУЗ
(ПРЕДВУЗОВСКОЙ ПОДГОТОВКЕ)

Настоящий сертификат выдан в том, что

Гергес Фрэнсис Тавдроус Гергес

(*Gerges Francis Tawdrous Gerges*)

Гражданство, дата рождения

Egipet, 09.10.74.

Успешно завершил(а) курс предвузовской подготовки

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

Сертификат о законченном полном среднем образовании

Поступил(а)

23. 11. 2007 г.

на подготовительное отделение факультета иностранных студентов

Завершил(а) обучение

20. 06. 2008 г.

Профиль предвузовской подготовки:

естественнонаучный

РЕЗУЛЬТАТЫ ПРЕДВУЗОВСКОГО ОБРАЗОВАНИЯ

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

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

Всего:

1198 (1770)

Ректор

Р. Г. Стронгин

ЛИЦЕНЗИЯ Сер. Я № 268-07 от 29 апреля 2007 года
ФЕДЕРАЛЬНАЯ СЛУЖБА ПО НАДЗОРУ В СФЕРЕ ОБРАЗОВАНИЯ И НАУКИ

Per. № 670 "24" июня 2008 г.



г. Нижний Новгород

зам. декана

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

IELTS™

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ACADEMIC

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

Centre Number EG001

Date 24/SEP/2016

Candidate Number 005010

Candidate Details

Family Name GERGES

First Name GERGES FRANCIS TAWDROUS

Candidate ID 27410090102716



Date of Birth 09/10/1974

Sex (M/F) M

Scheme Code Private Candidate

Country or Region of Origin

Country of Nationality EGYPT

First Language ARABIC

Test Results

Listening 5.5

Reading 7.0

Writing 5.0

Speaking 5.5

Overall Band Score 6.0

CEFR Level B2

Administrator Comments

Empty box for administrator comments.

Centre stamp



Validation stamp



Administrator's Signature

Date 04/10/2016

Test Report Form Number 16EG005010GERG001A



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Gerges Francis Tawdrous/

35

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Teilnahmebescheinigung

Hiermit wird bestätigt, dass

Herr Gerges Francis Tawdrous,
geb. am 09.10.1974 in Kairo/Ägypten,

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

Deutschkurs der Niveaustufe B2

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

teilgenommen hat.

Das Niveau des Kurses entspricht 600 Stunden Deutschunterricht.

Kairo, den 08.01.2007

Leiterin der Spracharbeit



www.goethe.de/cairo

Author Other Papers

I- The Holy Bible Studies

The Tabernacle Geometrical Structure

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

II- The Physics & Astronomy Studies

The Moon Orbit Geometrical Structure

84 Minutes are Required for Mercury Day

Pluto was "The Mercury Moon"

<http://vixra.org/abs/1807.0331>

Saturn Data Proves Mars Immigration

<http://vixra.org/abs/1807.0301>

Mars Immigration Proves (Revised)

<http://vixra.org/abs/1807.0268>

Solar Planet Motion

<http://vixra.org/abs/1807.0220>

Mercury Velocity

<http://vixra.org/abs/1807.0208>

Solar Planet Diameter Creation Rule

<http://vixra.org/abs/1807.0208>

Uranus Position In The Sky

<http://vixra.org/abs/1806.0212>

The Sun Data shows Relativistic Effects (revised)

<http://vixra.org/abs/1806.0209>

Earth Motion Produces the Moon Orbit

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

The Time definition

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

Solar Group Geometrical Structure

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

Earth and Mars Motions Interaction

<http://vixra.org/abs/1803.0432>

Solar Group General Description

<http://vixra.org/abs/1802.0075>

Why The Light Is The Universe Highest Velocity?

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

Special Relativity Hypothesis Reason (Matter Creation Theory)

<http://vixra.org/abs/1801.0343>

Solar Planets Order disproves the Gravity Theory

<http://vixra.org/abs/1801.0114>

Particle Double Nature Reason

<http://vixra.org/abs/1712.0398>

Copernicus-Kepler Model Modification (Part 5)

<http://vixra.org/abs/1711.0133>

"The Earth moves with the light velocity relative to the sun" (part 4)

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

"The Solar System Geometry (Part No.3)"

<http://vixra.org/abs/1707.0215>

also

<https://www.slideshare.net/Gergesfrancis/the-solar-system-geometry-part-no3>

"The Solar System Geometry (Part 2)"

<http://vixra.org/abs/1703.0178>

also

<https://www.slideshare.net/Gergesfrancis/the-solar-system-geometry-part-2>

"The Solar System Geometry (Part I)"

<http://vixra.org/abs/1509.0126>

also

https://www.slideshare.net/Gergesfrancis/the-solar-system-geometry-part-i-51989014?qid=a789c6b2-5395-4cde-be61-b777af04e643&v=&b=&from_search=2

The Time And Distance Definitions In The Solar System

<http://vixra.org/abs/1509.0241>

The Solar Eclipse Geometry Basics

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

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

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

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

All Manuscripts
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