

## Solar Group Geometrical Structure

### Solar System Geometry (Part 10)

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#### Abstract

- **The rate 1.0725** is found frequently between many solar planets orbital and internal distances (a constant rate)

- I suggest this rate is found because of **Lorentz Contraction Phenomenon**

i.e.

- There's a difference in velocities = "light velocity" between 2 motions in the solar group (even if we can't measure or notice this velocities difference)

i.e.

#### *There's More Than One Frame In The Solar Group*

This paper suggests a clear argument as following:

1. The solar group is created by light beams, but we see these light beams in different forms (as matters and distances)
2. We see the light as matter (Specifically, bright fringes produced by light coherence we see as matters, where dark fringes we see as distances)
3. We see bright fringes as matters because our mind works by light velocity (Mind Thinking Process), so the whole matter around us is found because of the human mind effect.
4. to enable us to see the sun rays, Earth has to move with light velocity relative to the sun, to create a difference in velocities = c velocity
5. So, the sun creation depends on the difference in Earth and Sun motions = c velocity.
6. That's why Lorentz contraction phenomenon is seen in the solar orbital and internal distances, specifically with the constant rate = 1.0725, (which equals 7.25%), where the sun obliquity to ecliptic (7.25 degrees).
7. means, the sun creation process contains Lorentz Phenomenon Effect on the solar orbital and internal distances (and on many other values)
8. **The Distance** can be defined as "**A Form Of Energy**", which is proved by the moon orbit regression yearly 19 degrees (Metonic Cycle) (otherwise how distance can move?) (that supports the claim that, distances are dark fringes produced by light coherence)

This Paper Consists Of 2 Parts

1<sup>st</sup> Part : Theory Of Matter Creation

2<sup>nd</sup> Part : Application on the theory (the solar group creation from the light)

- Starting From The Solar Group First Energy
- Explaining The Energy Coherence (light coherence)
- Discovering The Matter Creation
- Providing The Solar Group Motions Harmony Reasons

**S. Virgin Mary Assumption into Heaven.**

**Written in Cairo – Egypt**

**1<sup>st</sup> May 2018 (S. George Day)**



**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 <sup>24</sup> 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 <sup>3</sup> )	5427	5243	5514	3340	3933	1326	687	1271	1638	1830
<u>Gravity</u> (m/s <sup>2</sup> )	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 <sup>6</sup> 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 <sup>6</sup> 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 <sup>6</sup> km)	69.8	108.9	152.1	0.406*	249.2	816.6	1514.5	3003.6	4545.7	7304.3
<u>Orbital Period</u> (days)	88.0	224.7	365.2	27.3	687.0	4331	10,747	30,589	59,800	90,588
<u>Orbital Velocity</u> (km/s)	47.4	35.0	29.8	1.0	24.1	13.1	9.7	6.8	5.4	4.7
<u>Orbital Inclination</u> (degrees)	7.0	3.4	0.0	5.1	1.9	1.3	2.5	0.8	1.8	17.2
<u>Orbital Eccentricity</u>	0.205	0.007	0.017	0.055	0.094	0.049	0.057	0.046	0.011	0.244
<u>Axial Tilt</u> (degrees)	0.01	177.4	23.4	6.7	25.2	3.1	26.7	97.8	28.3	122.5
<u>Mean Temperature</u> (C)	167	464	15	-20	-65	-110	-140	-195	-200	-225
<u>Surface Pressure</u> (bars)	0	92	1	0	0.01	Unknown*	Unknown*	Unknown*	Unknown*	0
<u>Number of Moons</u>	0	0	1	0	2	67	62	27	14	5
<u>Ring System?</u>	No	No	No	No	No	Yes	Yes	Yes	Yes	No
<u>Global Magnetic Field?</u>	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes	Unknown
	<u>MERCURY</u>	<u>VENUS</u>	<u>EARTH</u>	<u>MOON</u>	<u>MARS</u>	<u>JUPITER</u>	<u>SATURN</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>

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

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## 1- Introduction

- The repeated rate 1.0725 (or 7.25%) between many distances is the cornerstone on which my theory of Matter Creation is built, so I provide this rate data here

### - The Rate 1.0725

#### I – Data (Distances)

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

A complete list will be provided in page no. 22 of this paper (Appendix No. 1- Part I)  
Let's provide the main argument in following..

## II- Discussion

Previous equations tell us that, the Rate 1.0725 is found between many solar planets orbital and internal distances..! why?

I found only one answer for this question, that

This is caused by **Lorentz Contraction Phenomenon**

i.e.

### **There's More Than One Frame In The Solar Group**

That means

There's a difference in velocity = **c velocity between 2 motions** in the solar group

*Specifically* "Earth moves with light velocity relative to the sun, although we can't measure or notice this velocity.. so

**This constant rate 1.0725 is produced by Lorentz Contraction Phenomenon!**

But let's ask why these values should be equal? Why any 2 rates of the previous 11 equations should be equal, and because they suffered from Lorentz Contraction, they got the rate 1.0725 between both in place to be equal! Why they should be equal?

**Because they are reflected light beams.**

*Note Please/*

*("By Earth motion I mean, the solar planets velocities total relative to the sun", where all solar planets revolves around the sun in the same direction, enabling their velocities summation. The Solar Planets Real Velocities Summation =17.6 mkm/ daily-please review*

*(Earth moves with the light velocity relative to the sun" <http://vixra.org/abs/1709.0331>)*

### **III- Solar System Description**

This paper provides a new description for the solar group, as following:

- The solar group is created from light beams only, and we see these light beams in different forms as matters and distances
- This Energy is transported from point to another through the solar group, while this Energy transports through the solar group, it creates the solar planets and orbital distances as well as many other data.
- The solar planets data is produced by this transported energy to give the chance for this energy **to pass through** the solar group.

So

- The solar group can be similar to a river has many canals, at end of each canal the water creates a soil from its clay (energy), so all these canals are related to each other, effect on each other and also their different soils are related to each other, to the different canals and to the main river.
- The Previous idea gives us a general vision for the solar group whole structure,
- **The main point is related to the energy**
- As the river water is transported through the canals and create the canals forms and motions
- Very similar to that, **the Energy is transported through the solar group** creating the planets matters and suitable motions in harmony providing the chance for the energy **to pass**

This paper is divided into 2 parts as following:

#### **Part I**

- Point No.3 –**Theory of Matter Creation**

#### **Part II**

The solar Group Creation as an application on "Theory of Matter Creation"

- Introduction
- Point No.4            Jupiter Energy
- Point No.5            The Coherence Event
- Point No.6            Solar Planet Orbital Distance Discussion
- Point No.7            Solar Planets Motions Description
- Point No.8            Solar Masses Distribution
- Point No.9            Jupiter and inner planets relationships
- Point No. 10          Jupiter Origin Energy

## 2- Research Methodology

I think

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

- As in Pythagoras right triangle, the numbers 3,4 and 5 are Not just numbers, they show the geometrical rule  $3^2+4^2= 5^2$
- **That's why, I use the planets data analysis .....**

But

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

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

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

**Moon Orbital Cycle (27.3 days)**

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

Let's explain my theory

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

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

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

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

**Deep Discussion(I)**

Now let's ask what's the truth? My theory or the current one?

Let's discuss the moon daily motion... **what's the distance the moon passes daily?**

The moon has to move daily a distance = Earth motion distance daily otherwise they will be separated from each other during a course of time..

means, the moon has to move a distance = 2.58 mkm daily = Earth daily motion!

But even in my theory I reach only 2.41 mkm daily where the current theory is limited to 88000 km. we should discuss the moon trajectory in full details, but I want to explain that the solar group geometry isn't clear before us through the current theories, rather we have thousands of puzzles...

Even for our discussion about the moon we still have more puzzles, especially for the rate  $(2.58 \text{ mkm} / 2.41 \text{ mkm}) = 1.0725$  I referred to before

### **Deep Discussion (II)**

Let's remember our solution for the puzzle

I suggested that,

This rate 1.0725 is found because of **Lorentz Contraction Phenomenon**

i.e.

- The sun creation is found because Earth moves with light velocity relative to the sun although we can't measure or notice this velocity.
- C velocity produces Lorentz Contraction phenomenon, which we have seen in introduction equations..
- For the moon trajectory, we see the rate 1.0725 is found between Earth Motion daily and the moon motion daily according to my theory...
- The rate 1.0725 is mistaken and not true because the moon has to move a distance = Earth motion daily otherwise they will be separated from each other

### **Basic Conclusions**

- The moon moves daily a distance = Earth daily motion distance = 2.58 mkm and in the same direction, which guarantee to move together continuously
- Because the moon move in a different frame from the Earth motion, we see the moon motion with Lorentz contraction (decreased by 7.25%), and we see the moon motion in orbit around the Earth
- Because The sun Creation depends on c velocity found between Earth and Sun motions, Lorentz contraction rate depends on the sun obliquity to ecliptic (7.25 degrees), which explains previous data

### **Deep Discussion (III)**

This paper provides theory depends on solar planets real data, as we have seen in previous example, easily my ideas can be refused but the puzzled data will stay to solve by others suggestions.. so the paper offers arguments and discussions... let's ask our last question here

How does the planet define his orbital distance?!

According to the gravitation equation! But why Jupiter is Not in Place of Mercury?!

How to explain the following data

- Mercury Orbital Distance = Mercury Diameter  $\times 10^9$
- Earth Orbital Distance = Earth Diameter  $\times 10^9$
- Saturn Orbital Distance = Saturn Diameter  $\times 10^9$
- Mars Earth Distance = Mars Diameter  $\times 10^9$
- Mars Jupiter Circumference = Jupiter Diameter  $\times 10^9$

We may conclude a rule "Planet position is defined based on his diameter and  $10^9$ "

But of course it's not acceptable rule because not all planets follow this same rule.. we should to discuss why these planets follow the rule (approximately) and why the others not (point No.6)

### **Let's summarize the whole idea**

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

## Part I

### 3- Theory of Matter Creation

- 3-1 Human effect on the observation results
- 3-2 Double Slit Experiment (Young Experiment)
- 3-3 The Theory
- 3-4 Matter Creation Process
- 3-5 Definition of Distance
- 3-6 Lorentz contraction effect
- 3-7 Definition of Time
- 3-8 Energy Accumulation Logic.

### 3-1 Observer Effect on the Observation Results

#### **Human mind works by light velocity, That's why we see The Light As Matter**

Theory of Matter Creation assumes

Bright fringes we see as matters and dark fringes we see as space, both are produced by light beams coherence,

This fact I found frequently in solar planets data ...we should discuss that soon

Why we see light beam (bright fringe) as matter?

I found only one answer for this question that "**our minds work by light velocity**"

Let's discuss that deeply

Special theory of relativity tells us the matter and light are 2 forms for **the same energy**, we will see the energy as light if it moves with  $c$  velocity relative to us

And we will see the energy as matter if it moves with our velocity...

So, the idea is clear

Because the mind operation velocity = light velocity, we see the light as matter

Because both work by the same velocity and no difference in velocity is found.

But The sun is very slow relative to us!

i.e. we move with light velocity and the sun is very slow in motion, so the difference between both motions = light velocity that's why the sun is our source of light.

This description tells that,

Earth moves with light velocity relative to the sun

please review (Earth moves with the light velocity relative to the sun" <http://vixra.org/abs/1709.0331>)

Is it sufficient answer why we see the light as matter?!

Actually the matter is bright fringe as theory of matter creation tells us, that means our bodies are made of bright fringes, means we are made of light!, so it's easy to conclude that we move with the light by  $c$  velocity and see this same light as matter.. It's good answer!

But is it clear enough?!

Actually this hypothesis (human mind works by light velocity) is one of the most complex hypothesis we may ever meet, because such hypothesis tells us that the matter is created basically because of the human mind effect. That's observer effect on observation results!

The matter around us is just light beams we see them as matters because of our mind effect!

What does that mean?

In one quantized experiment, the researcher told us that, particle is found just after he measured it! means particle wasn't found before the measurement! why?

Because before the measurement, the particle in possibility to be particle or wave but after measurement the particle becomes known as particle...

#### **Knowledge causes The Existence**

If I know anything, this thing will be found in the universe! why? Because I know it!

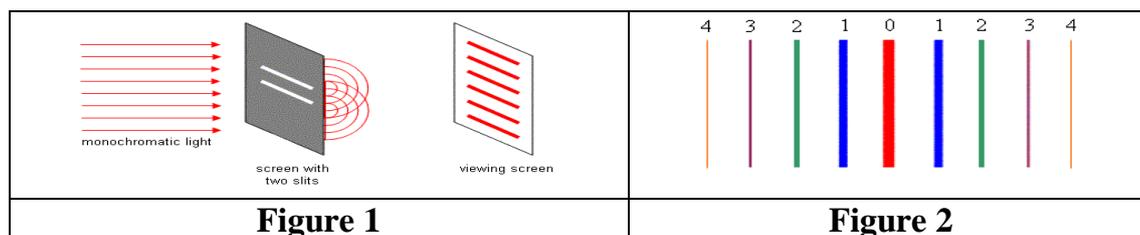
So, such hypothesis tells us "**knowledge interacts and connects with universe matter**"

Such words gives shadow of metaphysics for physics paper, but it's not true, it isn't metaphysics, it's pure physics, where the player (human mind) gives us the power to answer questions from metaphysics as well as from physics herself..!

The human mind works by light velocity supporting Special theory of relatively and provides solutions for puzzles we suffered with from long time...



### 3-2 Double Slit Experiment (Young Experiment)



- We know from double Slit Experiment (Young Experiment), that 2 light beams may get coherence, and the result will be bright and dark fringes
- That tells us there are 2 different types of light, the original light and the bright fringes
- The bright fringes thickness decreases regularly from the middle one to both sides

#### The Main Hypothesis

*"Matter Is A Bright Fringe Produced By Light Coherence"*  
And  
*"Distance Is A Dark Fringe produced by the same light coherence "*

Let's remember our old question "Why we see the light beam as matter?"

Let's summarize the answer here:

We see only Bright Fringes (produced by light coherence)

- If bright fringes move with  $c$  velocity relative to us we would see them as light beam (the sun light), and
- If the bright fringes move with our velocity we would see them as Matter –
- The Distinguish between the light and matter vision depends on their velocity relative to us
- That explains "**The Nature Duality**", when the particle moves with  $c$  velocity relative to me I'll see it as light (wave) but when the same particle moves with my velocity I'll see it as particle (matter)
- So, If the same particle moves with  $c$  velocity during a period and with lower velocity during another period relative to me, I'll observe "**The Nature Duality**"

#### The Main conclusion

*"There's More Than One Frame In The Solar Group "*  
i.e.

There's a difference equal  $c$  velocity between 2 motions in the solar group  
(Earth and sun motions difference =  $c$  velocity)

### 3-3 The Theory

If the matter is A Bright Fringe produced by light coherence we may conclude:

- The Matter should be changing with time because the matter (bright fringe) is produced based on light coherence process, which is an interactive process changes continuously (so this hypothesis explains the matter continuous change feature)
- The Matter is created in motion, that means the matter motion is found as part of the matter creation, simply there's no matter in rest (no rest mass)
- The Matter is the Bright Fringe means, our bodies are also Bright fringes, i.e. our bodies are produced from light coherence, that explains the continuous change
- If our bodies are bright fringes, that means our 5 senses can't discover any other light type, because our bodies are created from bright fringes, so our 5 senses capacities are limited to this specific type of light (light velocity  $c$ ). that's why the light velocity ( $c$ ) is the highest in our universe, because even if found higher velocity we can't discover or realize it because our 5 senses are limited to the bright fringes velocity ( $c$  velocity)
- So we can't realize the original light beams because our bodies made of the bright fringes (i.e. in fact there's a velocity higher than  $c$  velocity, but we can't realize it by our 5 Senses)
- The previous explanation tells us why we can't understand the solar system Geometry clearly, because **Not all data is available before us** where many data is absent because we are limited to the bright fringes from which our bodies are created. so we can't reach the whole system easily because parts of this system are higher than our capacities of observation (5 senses)
- So we may see "why the planets data analysis is very important" method to discover the universe, where the experiment and observation are tools limited to our 5 senses.

### The Theory Proves

This theory provides answers for many questions, let's start...

#### 1<sup>st</sup> Question: How does the Planet define his orbital distance?

According to gravitation Equation, but if so the equation tells us ( $m/r^2$ ) more Mass means less distance! So Why Jupiter is Not in Place of Mercury?! Simply I found no relationship between the planet mass and his position in the solar group, but actually

#### The Solar Planets Order corresponds to Bright Fringes Distribution!

- Jupiter the Most Great Planet (Fringe) is found in the Middle
- Both Ends have the smallest planets (Mercury and Pluto)
- The Planets volumes and Masses decrease regularly at both sides from Jupiter
  - o Saturn / Mars (exceptional)
  - o Uranus / Earth
  - o Neptune / Venus
  - o Pluto / Mercury

#### 2<sup>nd</sup> Question: why the light velocity is the maximum velocity in our universe? (Special Theory of Relativity hypothesis)?

This question is answered already in the previous passage

Let's complete the theory and later we should provide more proves.

### 3-4 Matter Creation Process

How the Matter is created?

Why I suggested that the matter is made of light, or the matter is a light in another frame?

From where I got such idea?

I try to find some flexible stuff suitable for relationships I found in the solar system geometry... let's see one example here

Table No.1	No error more than 1.5%	
Mars Diameter / Venus Radius =		$A^2$
= Venus Diameter / Moon Circumference=		$A^2$
= Moon Radius * $\Pi$ / Mercury Diameter =		$A^2$
= Pluto Circumference / Mars Diameter=		$A^2$
=Uranus Circumference / Jupiter Diameter =		$A^2$
= lunar apogee radius /lunar perigee radius =		$A^2$

### Discussion

The previous table tells us that the rate  $A^2$  is used as the same rate for 6 equations!

The usual answer is "pure coincidences" I kept it

But if we try to find explanation for this strange 6 equations, We may reach to the following conclusions

- 1- The Solar Planets can't be created by random, where each planet is created in geometrical relationships with others
- 2- That means, the idea of "the big star which followed the sun and later exploded, from which the solar group planets were created" is Not correct idea... because the solar planets are created depending on each other...and not randomly
- 3- **Pair Production (Anderson Experiment)**-Anderson in 1932 produced electron and positron from Gamma rays (1.2 Mev), this experiment supports my claim strongly... because the matter is created from Gamma rays (i.e. the matter is created from light beams)

-Let's ask what kind of matters Anderson produced in this Experiment? ***Electron and positron*** which are related to each other, they have equal masses and opposite charges and they have forced motions toward each other... that what's I'm telling here, **If the matter is created from light beam, the produced matters will be related to each other,** and that's shown from the previous table. Not only that, the whole Earth is made of **matters and their opposites**, as day and night or female and male...etc why the matter can't be created from the light... it's logical idea

(Please review the complete table in appendix No.1 page 26 of this paper, or review my previous paper **Earth and Mars Motions Interaction** <http://vixra.org/abs/1803.0432>)

### Please Note

- Earth Mass = (Mercury + Venus + Moon + Mars) Masses total (error 0.9%)  
...we remember that electron mass = positron mass
- Can the Earth be A Great Electron? What does it mean?
- A Great electron means, Earth atoms have positive nuclei and negative charges move around the nuclei... (It's real)... Earth is A Great Electron!

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- And 4 planets are A Great Positron! What does it mean?
- The Great Positron means, 4 planets atoms have negative nuclei and positive charges move around the nuclei... (It's supposed)...
- Now If we accept that as hypothesis, that will provide attraction forces between Earth at one side and 4 planets at the other side avoiding the gravity concept!
- This idea needs more details and discussions, so we may return to it with our study of the solar planets masses (Point No. 8)

4- Still we have difficulty to understand the previous table (No.1), because "how 2 planets diameters get geometrical relationship while between both there's a great distance?"

- This is the eclipse question, (Earth Sun distance / Earth moon distance) = (Sun Diameter/ Moon Diameter), how that can be possible?... Pure coincidence!!
- If not pure coincidence... so we'll have only one solution, to suggest that, **there's a relationship between the planet diameter and his orbital distance!** can such relationship be found? Let's see

i. Mercury Orbital distance = Mercury Diameter x  $10^9$ <sup>2</sup>

ii. Earth Orbital distance = Earth Diameter x  $10^9$ <sup>2</sup>

iii. Saturn Orbital distance = Saturn Diameter x  $10^9$ <sup>2</sup>

iv. Earth Mars distance = Mars Diameter x  $10^9$ <sup>2</sup>

v. Jupiter Mars Circumference = Jupiter Diameter x  $10^9$ <sup>2</sup>

- If all solar planets follow this same rule, everything would be all right, but not all solar planets follow this same rule... why?
- Simply, far from this rule, is there a clear relationship between the planet diameter and his orbital distance?
- Let's look at the solar group, Mercury- Venus and Earth sequence tells us a clear rule –Greater Diameter means Greater Orbital Distance- something not clear is happened with Mars – after Mars the rule is reflected so we found that- Greater Diameter means shorter Orbital distance in clear sequence Jupiter – Saturn – Uranus – Neptune and Pluto...what happened with Mars.. not clear yet ... but is there a relationship between the planet diameter and his orbital distance "**Almost Yes**"...So let's ask
  - i. Why and how such relationship can be found?

- All this data pushes us to suggest that, the planet diameter and his orbital distance is created from the same light beam or from the same energy Trajectory, where Planet diameter is a bright fringe and planet orbital distance is dark fringe according to my theory, so both are produced by the same process and from the same stuff,

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But because the coherence process isn't always simple and clear, the rule which presents this process isn't always simple and direct that's why just 5 planets follow the rule even approximately because the others light beams got coherence by more complex situations producing more complex rules to control this relationship, concerning this same approach, but if we change the approach we may find more easy equations express all solar planets (Kepler laws are examples)

- All that tells us, the whole solar group is one machine!...**all solar group components are made from the same stuff**...i.e. **the matter and space are made from the same energy!!**
- Please Note/ Young experiment tells us that, **Dark Fringe** is produced from the light coherence that means the darkness (distance) is made from light coherence! (I.e. the space or distance – darkness- is a form of Energy)
- The Idea is clear... **The solar Group is made of light totally, and because there are many frames in the group, we see the light in different forms** (matters and distance are examples)
- Full discussion is found in point No. 6 of this paper (Solar Planet Orbital Distance Discussion).

Let's discuss **The Distance Definition** in following

### 3-5 Definition of Distance

- Distance definition: **Distance is a form of Energy**
- **Proof**
  - We know the moon orbit regresses yearly 19 degrees independently (Metonic Cycle Facts), how the moon orbit can do that? How the distance can move?... **just if the distance is an energy, it can move!**
- **How the distance can be a form of Energy?**

The distance is a form of energy, because the distance is a dark fringe which is produced from light coherence

Young tells us Important information, that the darkness is produced by Light coherence, this information was known by Newton also, so we have 2 forms of light, the light and the darkness..

That's what I'm telling here.... The whole solar group is made of light in different forms (Matter- Space...etc)... why the light has many forms? Because there's more than one frame in the solar group ...

I guess the idea is clear enough now...

Before to define the time let's provide a crucial proof for this paper basic claim that, There's more than one frame in the solar group

### **3-6 Lorentz contraction effect**

A main proof for this whole idea is Lorentz contraction effect

The theory is ordered in logical sequence as following:

- Human mind works by light velocity that's why we see light beams as matters, so all light around us we see as matters ...
- But the sun is very slow in motion relative to us, that creates a difference in velocity = c velocity, that's why the sun is our source of light

i.e.

- Earth and Sun motions have a difference in velocity = c velocity
- c velocity, according to Special theory of relativity, causes lorentz contraction for length, that's why the distances are contracted with the rate 7.25%, where the sun obliquity to ecliptic =7.25 degrees, because c velocity causes the sun creation and lorentz contraction for solar planets orbital and internal distances.
- Solar planets orbital and internal distances are reflective light beams, should be equal each other, but because of lorentz contraction phenomenon the rate between many of these distances is 1.0725
- That explains the 11 equations which I provided in this paper introduction and the other equations which are provided in appendix No. 1 page 24
- My explanation can be refused but the equations will stay to find another suggested explanation for the repeating using of rate 1.0275 between many orbital and internal distances...
- Actually the moon Cycle theory which I provided in research methodology is good example to prove and explain how Lorentz contraction phenomenon works in the solar group.

Let's repeat it here again to help the explanation

#### **A- Moon Cycle (27.3 days)**

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

Let's explain my theory

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

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

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

**B- Moon Actual Daily Motion**

According to the previous theory the moon moves daily a distance = 2.41 million km

But the Earth moves daily a distance = 2.58 million km

If the situation is such, that means

The Earth and Moon will be separated from each other after some period

So, what's going on here?

The moon moves 2.58 million km

But we measure this distance = 2.41 million km

Why?

Because the moon moves in another frame relative to the Earth

The difference between both values

$$2.58 - 2.41 = 0.17 \text{ mkm}$$

This value = 7.25% of the distance (2.58 mkm)

What does that means?

**The moon moves with Earth with the same velocity 2.58 million km and in the same direction,**

But because the moon moves in another frame relative to the Earth

So

We see the moon daily distance with lorentz contraction (2.41 mkm)

And we see the moon moves in ellipse around the Earth

Let's remember Einstein train..

When he left the rock to be dropped from the moving train he saw the rock trajectory as straight line but the people on platform saw the trajectory as parabolic

Now this puzzle is solved...

The moon trajectory in fact a proof for my claim

**"There's More Than One Frame In The Solar Group"**

### 3-6-1 Lorentz contraction rate 7.25%

Let's provide the 11 equations here again where the rest is in appendix no. 1 page 24  
**I-Data**

#### I – Data (Distances)

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

we have discussed this data in the introduction and through the theory..

Just I refer here to our basic conclusion in following

*There's more than one frame in the solar group*

### **3-7 Definition of Time**

According to Theory Of Matter Creation there are 2 different rates of time in the solar group

- **1<sup>st</sup> rate of Time:** The matter change measurement. We see the matter changes continuously, the measurement of this change is the time...
- Matter Continuous Change found because matter is bright fringe created by light coherence which is an interactive continuous process..... i.e. Time is side-product of matter creation process
- **2<sup>nd</sup> rate of Time:**  
**A Distance Value in One Frame works as Time Value in another Frame...**  
(will be explained in next sub-point)

Based on the previous description, we may conclude the following:

- 1- There are 2 different rates of time in the solar group (at least), the time which is the matter change measurement and the time which is a distance in another frame, based on this explanation the time definition will be as the distance (a form of the Energy)
- 2- Please remember (we have studied 2 rates of time, when we have found that "1 day of the sun rate of time = 1 year of the Earth rate of time (365.25days), based on that we have reached to the conclusion "Earth moves with light velocity relative to the sun"
- 3- These 2 different rates of time are found in the solar group, **So These 2 Rates Of Time must have One Equation** otherwise the solar group can't work... means "There's a relationship between the bright fringe period and the dark fringe thickness in Young Experiment (the bright fringe period means the bright fringe period between changes), and this is an experimental test, we can do and see if it will support my claim.

### **3-7-1 Distance Value in One Frame works as Time Value in another**

For example (No.1)

- Mercury Orbital distance = 57.9 mkm
- Mercury rotation period = 58.6 days

Approximately the number is 58 in both cases....

and I claim these 2 values are just one value = 58  
there an energy value = 58

### **But This Value Is Seen From 2 Different Frames, In First Frame It's Seen As Distance And In The Second Frame It's Seen As A Period**

as you reflect the candle light on a mirror and on a piece of copper, the reflected picture is NOT the same one because the medium is different....

### **Example No. 2**

- Cycle of Precession = 25920 years
- 0.3 million km/sec (c velocity) x 86400 second (solar day) = 25920 million km

Also

- 17.6 million km (solar planets velocities total per day) x 1461 days (Earth 4 years Cycle) = 25920 million km

The explanation of previous data is so hard here, but I want to explain that, the same values are found in time and distances units.

### **Now let's answer our old question (why the same particle moves in many frames?) or why particle has double nature? or (why time Values can be seen as distances Values)**

- 1- Time values are seen as distance values because the energy is transported from point to another through the solar group, i.e. the whole group motions are connected together in one thread, in which the energy is transported from one point to another through the group ..... that's why the numbers are repeated... so the repeated numbers supports the idea that the solar group is one machine (one thread or one line of Energy), in which the energy is transported from one point into another..

### **Please Note**

According to theory of Special relativity the time value can't be a distance value because the light velocity is constant..

But we have found different velocities of light as following:

- c velocity (0.3 million km/sec) : Bright fringes velocity (our light velocity)
- 1.16 million km/ sec : Original beams velocity (we'll discuss in Part II)

So there are different velocities of light, which support the main idea that time values in one frame work as distance values in another.

Any way, this idea to use time values as distance values we should discuss with spacetime concepts in the quantized study concerning observer effect on observation results.

### **3-8 Energy Accumulation Logic.**

Let's study one example to explain the idea

I claimed Earth motion produces the sun rays

(Earth moves with light velocity relative to the sun <http://vixra.org/abs/1709.0331>)

How that can be possible?

How Earth can produce the sun rays? Where Earth motion Energy is not so high to produce a light beam? So how that can be possible?

Earth uses Energy accumulation method!

#### **First**

I assumes that, all solar planets load their daily motions on Earth motion, to make all these motions as one motion loaded on Earth

So,

Earth daily motion = 2.58 million km

But

Earth loaded daily motion (solar planets motions total) = 17.6 million km

Earth accumulate this value of energy which is in Mechanical Wave form during a day

But

1 sun day = 1 Earth year

That means

1 Earth day = 237 seconds of Sun time

So, this distance 17.6 million will be motion for period 237 seconds

$(17.6 \text{ million km}) / (237 \text{ seconds}) = 0.25 \text{ c velocity}$

(please review my old paper to know how this value will equal c velocity)

What did happen in previous example?

It's accumulation of energy

The energy accumulation can be done through the multiple rates of time

That's why the solar group uses multiple rates of time

because by this way the energy can be accumulated, and by this accumulation the motions mechanical waves can be transformed into light waves producing the light beams from solar planets motions...

#### **The Main Idea,**

Energy Accumulation can be done through the time dilation process, or through creation of many rates of time in the same solar group,

If there are many rates of time that may refer to many velocities of light

Producing

#### **Many frames in the solar group**

Which is our basic conclusion in this paper

Let's provide a summary for solar group description

### **Solar Group Description:**

- The whole solar group is created from the same energy
- This Energy is transported From Point To Another Point Through The Group, creating the matters, distances and all other data
- The main energy is distributed according to the group components motions (solar planets motions in addition to the sun and moons motions)
- The Solar group is a group of gears, their motions are depended on each other and all of them are connected by the same energy which transported from point to another through the group
- The solar group can be similar to a river has many canals, at end of each canal the water creates a soil from its clay (energy), so all these canals are related to each other, effect on each other and also their different soils are related to each other, to the different canals and to the main river.
- Energy Accumulation Process depends On The Time Delaying
- That means, if there are different rates of time in the solar group that will create different values of the same energy according to the time rate change
- Planets daily motions energies are accumulated to produce higher energy (transferring the mechanical waves into light beams) by equal light motion energy based on a different rate of time for the sun
- That means,  $c$  velocity is produced at the sun position, because the sun has specific rate of time enables Earth to accumulate her daily energy till be equal a light energy producing a difference in velocities =  $c$  velocity

**Appendix No. 1**

**1<sup>st</sup> - The Rate 1.0725**

**I – Data (Distances)**

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

**II – Axial Tilts Data (Periods)**

<b>1st-</b>	$\frac{25.2 \text{ degrees (Mars Axial Tilt)}}{23.45 \text{ degrees (Earth Axial Tilt)}} = 1.0725$	(No Error)
<b>2nd-</b>	$\frac{26.7 \text{ degrees (Saturn Axial Tilt)}}{25.2 \text{ degrees (Mars Axial Tilt)}} = 1.0725$	(Error 1.2%)

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**3rd-**  $\frac{28.3 \text{ degrees (Neptune Axial Tilt)}}{26.7 \text{ degrees (Saturn Axial Tilt)}} = 1.0725$  (Error 1.2%)

**4th-**  $\frac{1.9 \text{ degrees (Mars Orbital inclination)}}{1.8 \text{ degrees (Neptune Orbital Inclination)}} = 1.0725$  (Error 0.7%)

**III – Data (Periods)**

**5th-**  $\frac{29.53 \text{ days (Lunar Synodic Month)}}{27.3 \text{ days (Lunar Sidereal Month)}} = 1.0725$  (Error 0.8%)

**6th-**  $\frac{243 \text{ days (Venus Rotation Period)}}{224.7 \text{ days (Venus Orbital Period)}} = 1.0725$  (Error 0.8%)

**7th-**  $\frac{17.2 \text{ hours (Uranus Day)}}{16.1 \text{ hours (Neptune Day)}} = 1.0725$  (No Error)

**8th-**  $\frac{10.7 \text{ hours (Saturn Day)}}{9.9 \text{ hours (Jupiter Day)}} = 1.0725$  (No Error)

**2<sup>nd</sup> – The Complete Table (No.1)**

( related to 3-4 Matter Creation Process Discussion Page 13)

<b>Table No.1</b>	<b>No Error More Than 1.5%</b>
Relationship	Rate
Earth Diameter / Venus Diameter =	A
= Mars Diameter / Earth Radius	
Mars Diameter / Venus Radius =	A2
= Venus Diameter / Moon Circumference=	
= Moon Radius * Π/ Mercury Diameter =	
= Pluto Circumference / Mars Diameter=	
=Uranus Circumference / Jupiter Diameter =	
= lunar apogee radius /lunar perigee radius =	
Pluto Circumference / Earth Radius =	A3
=Mercury Circumference / Earth Diameter =	
= Earth Diameter / Moon Circumference=	
= Uranus Radius / Mars Circumference =	
= Jupiter Diameter / Saturn Diameter=	
= Saturn diameter / Uranus Diameter=	
Venus Radius / Mercury Diameter=	A4
= Uranus Diameter / Earth Circumference=	
Uranus Diameter / Venus Circumference=	A5
Jupiter Radius / Uranus Diameter=	A6
= Mercury Diameter / Moon Diameter	
=Mars Diameter / Mercury Diameter=	

**Part II**

**Solar Group Geometrical Structure**

**as an application on**

**"Theory of Matter Creation "**

**Introduction**

- 4- Jupiter Energy**
- 5- The Coherence Event**
- 6- Solar Planet Orbital Distance Discussion**
- 7- Solar Planets Motions Description**
- 8- Solar Masses Distribution**
- 9- Jupiter and inner planets relationships**
- 10-Jupiter Origin Energy**

## **I- Introduction**

I provide a new vision for solar group motions and origin let's summarize in following:

- Human mind works by light velocity, that's why we see the light beams around us as matters because no difference in velocity is found between our minds operation speed and light velocity
- The matters around us are bright fringes produced from light coherence
- The space around us is dark fringes produced from the same light coherence
  
- That necessitates Earth to move with light velocity relative to the sun to create the sun light (i.e. without Earth motion the sun will be disappeared)
  
- That's why the solar group has more than one frame
- Lorentz contraction with the same rate 7.25%, proves that, there's more than one frame in the solar group (we saw Lorentz contraction data in appendix No.1 page 24)
  
- The produced matters are born in 2 matters related to each other (as electron and positron produced from Gamma rays, have equal masses and different charges with forced motions toward each other), i.e. if 2 matters are related to each other that mean, they are produced from light beams.

## **II- 2<sup>nd</sup> Part Objective**

In this part we'll study and analyze how the solar group is created, let's summarize that:

- We should start with the main energy in the solar group
- Then we'll move with this energy trajectory to see the coherence event
- After coherence event the matter will be created, so we'll examine how the matter is created.
- we should prove that the solar planets masses are originated from the solar group main energy (the same energy)
- We should discuss how the planets define their orbital distances
- Also we should discuss the logic behind the solar planet motion

### **Shortly**

- We will start from the main Energy in the solar group and move with this energy to see how the solar group planets and other components are created and move.

Let's summarize the Energy trajectory in following

### **III- The Main Energy Trajectory.**

1. Jupiter is a light beam his velocity = 1.16 million km/sec and he moves starting from Planet Jupiter real position toward Pluto for Period =  $2 \times 86400$  seconds- (Jupiter Planet isn't created yet, we deal with a light beam)
2. Jupiter Light beam reached to Pluto, and built Neptune Orbital Circumference from his Energy where the rest energy is stored in the distance.
3. Neptune reflected the stored Energy (which =  $2 \times 86400$  million km), toward the solar inner Planets in 2 different trajectories
4. 1<sup>st</sup> trajectory is an Energy = 86400 million km, Neptune reflected it toward Mercury passing by Jupiter i.e. this Energy reflected from Neptune and passed Jupiter reaching to Mercury... Jupiter in this process does nothing more than passing the energy only
5. 2<sup>nd</sup> Trajectory is An Energy = 86400 million km, Neptune reflected it toward Venus and Earth together
6. i.e. The Energy at Mercury = Energy at Venus + Energy at Earth
7. Now there are 2 trajectories of Energy in the solar Group i.e. 2 light beams
8. These 2 light beams got coherence together in the sun position (before the sun Creation), and this coherence created an angle  $\theta=0.142984$  degree this is the coherence angle...
9. After this coherence the matter is created
10. Based on the coherence angle, Jupiter diameter is created with Mercury Diameter in exchange process... later Saturn Diameter is created
11. Also angle  $\theta =0.142984$  defines the distance between Earth and Moon and that effect on Earth, Venus and Moon diameters creation
12. Saturn Diameter is the meeting point of both energy trajectories.

#### 4- Jupiter Energy

- 4-1 Jupiter sends the Energy toward Pluto
- 4-2 Neptune reflects it toward the Inner Planets
- 4-3 The Energy Trajectories
- 4-4 The Coherence Event

#### 4-1 Jupiter sends the Energy toward Pluto

Jupiter is a light beam his velocity = 1.16 million km/sec, he sends the Energy toward Pluto,

#### I- Data

- **((Pluto Orbital Circumference 36897 mkm – Jupiter Orbital Circumference 4894mkm) x  $\Pi$ ) = 100581 mkm= 1.16 mkm/sec x 86400 seconds**

#### II- Discussion

- The previous data pushes us to use  $2\Pi$  in Place of  $\Pi$ , the reason will be explained now
- **((Pluto Orbital Circumference 36897 mkm – Jupiter Orbital Circumference 4894mkm) x  $2\Pi$ ) = 2x 100581 mkm=2x 1.16 x 86400**
- Why I use  $2\Pi$  in previous Equation? Because
  - o **2 x 100581 mkm = 28255 mkm + 2 x 86400 mkm**Where
  - o **28255 mkm = Neptune Orbital Circumference**
  - o **86400 mkm = sent Energy Toward Mercury**
  - o **86400 mkm = sent Energy Toward Venus and Earth**
- What does the previous Equation tell us?
- Jupiter sent Energy toward Pluto will build Neptune Orbital Circumference at first and the rest Energy will be reflected by Neptune toward the Inner Planets in 2 equal halves, first half (86400 mkm) will be sent toward Mercury and the rest one (86400 mkm) will be sent toward Venus and Earth (Neptune Orbital Circumference consumed 16% of total energy)

#### More supporter Data

If previous description is correct, that may explain why the three inner planets define their orbital circumference relative to Jupiter and Not to the sun.. as following

- Mercury Orbital Circumference x 2 = Mercury Motion distance during his day = Mercury Jupiter Distance (720.3 = 364 x 2) (Error1%)
- Venus Orbital Circumference = Venus Jupiter Distance (Error 1.5%)
- Earth Orbital Circumference = Earth Jupiter Distance (Earth and Jupiter be on different sides from the sun 778.6 mkm +149.6 mkm = 940 mkm- Earth orbital Circumference) (1.2% error)

#### 4-2 Neptune reflects the Energy toward the Inner Planets

Neptune reflects this Energy toward the Inner Planets..... that may explain the relationship between these planets and Neptune

#### I- Data

- **4495.1 Neptune Orbital Distance=**
  - = **Earth Venus distance 41.4 x Venus orbital distance 108.2**
  - = **Mercury Orbital Distance 57.9 x Earth Mars distance 78.3**
  - = **Mercury venus distance 50.3 x Mercury Earth distance 91.7** (error 2.5%)
  - = **(Mercury Mars distance)<sup>2</sup>/2π** (error 2.2%)

#### II- Discussion

What does previous data tell us?

- Multiplying any 2 inner planets distances produce Neptune Orbital Distance! Why? How can we understand that?
- I suggest that, **The Distance Is An Energy** (this is proved by Moon orbit regression yearly 19 degrees, how the distance can move? Only if the distance is an energy, in this case it can move, that support my claim that the space is dark fringes produced from light coherence)
- Now these planets got their Energies from Neptune... so by this Energy (sent by Neptune) they built their orbital and internal distances relative to each other under **the same limit which is Neptune Orbital Distance**... that tells us, the inner planets distances (orbital and internal) should be relative to each other...and we knew that already

#### More Supporter Data

$$\frac{\text{Earth Orbital Distance}}{\text{Earth Mars Distance}} = \frac{\text{Mars Orbital Distance}}{\text{Mars Venus Distance}} = \frac{\text{Earth Mars Distance}}{\text{Earth Venus Distance}} = \frac{\text{Venus Orbital Distance}}{\text{Mercury Orbital Distance}} = 1.9$$

So the description is clear

- The Energy sent from Jupiter toward Pluto
- Neptune reflected this Energy Toward the Inner Planets
- The Inner Planets distances are controlled by Neptune Orbital Distance from which their Energy is sent..
- So, The inner Planets distances become relative to Each Other because they have only one source of Energy for all
- By such way the inner planets create Mars orbital Inclination to be common rate between their distances (1.9 degrees)
- Mars Orbital inclination (1.9 deg) enables Mars to produce Mars Axial Tilt (25.2) where 25.2 is the constant in Kepler Equation for all solar planets (please see sub-point 7-2 Mars Axial Tilt)

### **4-3 Energy Trajectories**

- 4-3-1 Neptune –Mercury Trajectory (1<sup>st</sup> Trajectory)  
4-3-2 Neptune – Venus and Earth Trajectory (2<sup>nd</sup> Trajectory)

The Energy, reflected from Neptune, sent in 2 different Trajectories let's see each of them in details

#### **4-3-1 Neptune –Mercury Trajectory**

Through this trajectory Neptune reflects an Energy = 86400 million km toward Mercury passing by Saturn and Jupiter, where Jupiter here passed the Energy only toward Mercury...

##### **I- Data**

$$\begin{aligned} & \mathbf{86400 \text{ million km} =} \\ & \mathbf{= (\text{Jupiter Orbital Circumference} - \text{Mercury Orbital Circumference}) \times 2\Pi^2} \\ & \mathbf{= (\text{Saturn Orbital Circumference} - \text{Mercury Orbital Circumference}) \times \Pi^2} \end{aligned}$$

##### **Note Please**

$$\mathbf{\text{Neptune Orbital Circumference} = \text{Saturn Orbital Circumference} \times \Pi}$$

##### **II-Discussion**

As we see the idea is clear and we have reason for the relationship between Neptune and Saturn orbital distance ...

Any way the description of passing the Energy from Neptune to Saturn to Jupiter to Mercury is NOT sure description... we need to wait the coherence event discussion before see much better... any way we may confirm on the trajectory from Neptune – Jupiter – Mercury.. this line is almost confirmed...

#### **4-3-2 Neptune – Venus and Earth Trajectory**

Through this trajectory Neptune reflects an Energy = 86400 million km toward Venus and Earth directly

That means

$$\text{Energy at Mercury} = \text{Energy at Venus} + \text{Energy at Earth}$$

##### **I-Available Data**

$$\begin{aligned} & \mathbf{86400 \text{ million km} =} \\ & \mathbf{= (\text{Neptune Orbital Circumference} - \text{Earth Orbital Circumference}) \times \Pi} \\ & \mathbf{= (\text{Neptune Orbital Circumference} - \text{Venus Orbital Circumference}) \times \Pi} \\ & \mathbf{\text{(Both Errors less than 1\%)}} \end{aligned}$$

##### **II-Discussion**

This Energy reflected by Neptune toward Venus and Earth help Earth to build her orbital circumference and to move performing here daily motion

In addition to help the moon motion performance

Actually this whole Energy 86400 million km is loaded on the moon orbit  
But there's no way to explain that here we need before to discuss the moon origin  
(That's why we need to write another paper "Earth Motion")

#### **4-4 The Coherence Event**

we have seen that, the Energy reflected from Neptune toward the inner Planets in 2 trajectories

1<sup>st</sup> Trajectory is / Neptune – Jupiter – Mercury

2<sup>nd</sup> Trajectory is / Neptune – Earth and Venus

These are 2 trajectories of Energy

We may call them 2 Light Beams where they are reflected by Neptune as any reflected light beam

So, the solar Group has 2 light beams coming from Neptune toward the Inner Planets

These 2 light beams are met each other and get coherence inside the sun location before the sun creation (and before any matter creation)

i.e.

The Coherence Point is inside the sun

The coherence is done by these 2 light beams producing an angle  $\theta=0.142984$  degree

And this interaction and coherence is found inside the sun (position) before the sun creation...

We should pay more attention for this point, because after this coherence the matter will be created and we will have plenty of proves for any claim we may tell

let's start...

## **5- The Coherence Event**

5-1 Introduction

5-2 Angle  $\theta$  effects the planets orbital and internal distances

5-3 Angle  $\theta$  defines Jupiter and Mercury diameters

5-4 Angle  $\theta$  defines total solar eclipse angle

5-5 the relationship between Jupiter diameter and moon orbit radius

5-6 Angle  $\theta$  and Mars Data

### **5-1 Introduction**

This paper main hypothesis depends on **The Coherence Event**,

I suggest that the matter is a bright fringe produced by light coherence according to double slit experiment (young Experiment)

Is it truth?

How to prove such claim? Are there facts support such idea?

The next pages are dedicated for the theory proves, I provide facts to support this hypothesis

Let's summarize the whole idea here again

- Jupiter sends his energy toward Pluto
- Neptune Orbital circumference is built at first from the sent energy
- Neptune reflects the rest energy toward inner planets, into 2 separated trajectories
  - o **1<sup>st</sup> Trajectory:** Energy = 86400 mkm from Neptune to Jupiter to Mercury
  - o **2<sup>nd</sup> Trajectory:** Energy = 86400 mkm from Neptune to Venus and Earth
- **These 2 Trajectories of Energy (2 light beams) will meet each other and create a coherence between them**
- The Coherence event is done in the sun position before the sun Creation
- **The Coherence event creates an angle  $\theta = 0.142984$  degrees (between 2 light beams)**

what we have from this story? angle  $\theta=0.142984$  degrees

*is this angle really found?*

If I can prove that, this angle is really found, can that support my theory?

If this "angle  $\theta=0.142984$  degrees" is one of the most important points in the solar group, can that support my claim?

My ideas depend on the solar planets data! means, I found this rate frequently, that's why I suggest the theory to explain this data,

The theory tries to answer the question, why the rate  $=0.142984$  is repeated frequently in different geometrical points? So the theory is a try to answer otherwise another answer should be provided...

Let's see this angle  $\theta$  and its effect in next discussions

## 5-2 Angle $\theta$ effects The Planets Orbital And Internal Distances

### I- Data

Solar group orbital and internal distances total = 45 distances

The rate 0.142984 is used as a rate between around 22 distances, means this rate expresses around 50% of the solar distances rates...let's see that in following

Table No.2	Max Error 2%	
Distances Rate	$\theta = 0.142984$	Error
(Earth Orbital Diameter /Jupiter Uranus Distance) =	$= \theta$	No Error
(Earth Mars Diameter /Jupiter Mars Distance) =	$= \theta$	No Error
(Earth Saturn Distance /Saturn Orbital Circumference)=	$= \theta$	No Error
(Earth Jupiter Distance /Venus Neptune Distance) =	$= \theta$	No Error
(Earth Mercury Distance /Earth Jupiter Distance ) =	$= \theta$	1.8%
(Mercury Jupiter Distance /Jupiter Pluto Distance) =	$= \theta$	1%
(Mercury Mars Distance /Mars Saturn Distance) =	$= \theta$	1.5%
(Mars Orbital Distance /Uranus Neptune Distance) =	$= \theta$	1.7%
(Mars Jupiter Distance /Neptune Orbital Distance) =	$= \theta$	2%

### Note Please

Previous table uses Max Error 2% only

means, there are more relationships defined by this same rate 0.142984 but with higher error and I refused to save the data direction

let's see 2 examples of such relationships in following

(Mars Uranus Distance / Uranus Orbital Circumference) =	$= \theta$	2.5%
(Venus orbital Distance / Jupiter orbital Distance) =	$= \theta$	3%

### II- Discussion

The rate 0.142984 is used for around 50% of the whole distances,

Why?

I don't know by what mechanism this angle effects on these distances, still we need more search to know that,

But

To use the same rate for half of all solar distances can't be "Pure Coincidences" at any case!

Surely there's a geometrical reason behind this rate frequent using...

And I provided one geometrical reason as following:

**Because matter is a bright fringe and distance is dark fringe both are produced by light coherence, and Angle  $\theta = 0.142984$  degree is the coherence angle, for that reason theses relationships are found ..**

Is the previous table a proof that the angle  $\theta = 0.142984$  is found?

Let's see more data

### 5-3 Angle $\theta$ defines Jupiter And Mercury Diameters

"Jupiter Diameter is Created based on angle  $\theta = 0.142984$  degrees" (my Claim)

#### First/ Jupiter Diameter Creation

##### I-Data

$$1- \theta = 0.142984 = \frac{1}{7} = \frac{1}{\text{Mercury Orbital Inclination}}$$

$$2- \theta = 0.142984 \times 1 \text{ million km/1degree} = 142984 \text{ km (Jupiter Diameter)}$$

##### Note Please

Why we use 1 million km/1 degree?

If we have a rate 1 degree = 1 million km, that means  $\theta = 0.142984$  degree will = 142984 km which is Jupiter Diameter.

Where can we find such rate 1 degree = 1 million km? It's Mercury Orbital Circumference

- Mercury Orbital Circumference = 364 million (his cycle 360 degrees), means  
1 million km = 0.989 degree
- Mercury Orbital Circumference is the first Cycle around  $\theta$  (because  $\theta$  locates inside the sun)

#### Second /Mercury Diameter Creation

##### I-Data

$$\text{Mercury Diameter} \times 1 \text{ million km} = \text{Jupiter Orbital Circumference}$$

Jupiter and Mercury relationship we should discuss in full details later (Point No.9),  
But let's here summarize the puzzled points to be shown clearly

- $\theta = 0.142984$  degree is related to Mercury because it equals (1/ Mercury orbital inclination)
- $\theta = 0.142984$  defines Jupiter diameter if we use mercury rate 1 million km/0.989 degree  
i.e.
- Jupiter Diameter =  $(\frac{1 \text{ Million Km}}{\text{Mercury Orbital Inclination}})$  (Eq 1)
- Mercury Diameter =  $(\frac{\text{Jupiter Orbital Circumference}}{1 \text{ Million km}})$  (Eq 2)

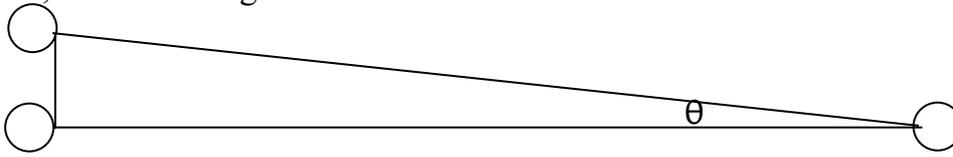
This discussion can be more interesting if we discuss the planet diameter and orbital distance relationship, to see the deep picture of these relationships

But we should do that later in points No.6 and 9 because I try here to prove that:  
" $\theta = 0.142984$  degree" is real angle and found.

### 5-4 Angle $\theta$ defines Total Solar Eclipse Angle

#### I-Data

Let's ask, what's the angle  $\theta=0.142984$ ?



In the figure

- The two near bodies are the Earth and Moon
- And the far body is the sun
- Angle  $\theta = 0.142984$  degrees

Angle  $\theta = 0.142984$  degree is found basically through Sun, Earth and Moon distances and diameters ...i.e.

$$\sin \theta = \frac{\text{Earth Orbital Distance}}{\text{Earth Moon Distance}}$$

This angle is the same angle which is produced by the 2 light beams coherence  
The same angle has the same value and is found in the same position (inside the sun)

This angle is a main factor in the eclipse phenomenon

Let's see that in following

$$\sin \theta \times \frac{\text{Earth Daimeter}}{\text{Moon Daimeter}} = 0.532 \text{ degrees "Total Solar Eclipse Angle } \phi \text{"}$$

I wish we remember

$$\frac{\text{Earth Daimeter}}{\text{Moon Daimeter}} = \frac{\text{Moon Daimeter}}{\pi D} = \frac{\text{Sun Diameter}}{\text{Earth Moon Distance}} = \frac{\text{Jupiter Circumference}}{\text{Saturn Daimeter}} = \frac{\theta}{\phi} = 3.66$$

**D: is the covered distance on Earth by the total solar umbra shadow =304 km**

#### II-Discussion

We had strong discussion concerned the eclipse phenomena, let's remember our basic question **why do we see the Sun Disc = The moon Disc...**? Because

$$\frac{\text{Sun Diameter}}{\text{Moon Diameter}} = \frac{\text{Earth Orbital Distance}}{\text{Earth Moon Distance}} = \frac{\text{Moon Orbital Circumfeence}}{\text{Earth Raduis}} = 400$$

What we have learnt from that? Why the diameters rate = the distances rate?

This was the hard question.. so let's answer now

Because the diameter is bright fringe and the distance is a dark fringe both of them are produced from light coherence, from the same process both are produced based on the same angle  $\theta = 0.142984$  degree

We need to know by what mechanism the matter and distance are produced, specifically if there's a relationship between the planet diameter and orbital distance but we should delay that to point No.6

**Why Eclipse is a cycle?**

But why Eclipse is a cycle? Where we can find  $\Pi$ ?

We remember this equation

$$\sin \theta \times \frac{\text{Earth Daimeter}}{\text{Moon Daimeter}} = 0.532 \text{ degrees "Total Solar Eclipse Angle } \phi \text{"}$$

$\theta$  and  $\phi$  are angles, why any of both should has a cycle...?

$\theta \times 3.66 = \phi$  where's the cycle?

Inside the factor **3.66** !

$$\mathbf{3.66 = 1.16 \times \Pi}$$

1.16 mkm /sec is our light higher velocity

So, there's some cycle inside this factor 3.66 ....

**But what does that mean?**

This factor 3.66 almost is a rate between 2 matters (Earth diameter / Moon Diameter) so why this factor has a cycle?

**Because the Matter has a cycle!**

We see the rock solid and hard, in our mind we consider this rock as dead body found by chance without reason!

But look at the creature body...the hard muscle is found because of a blood cycle behind otherwise this same hard muscle will change

That's the same with the matter

The hard matter is created by a cycle of Energy found behind, and this cycle gives the hard matter her shape otherwise this matter will change

Now we can understand why the eclipse is a cycle... because the universe matter has a cycle of his matter based on factor 3.66

### **5-5 Jupiter Diameter And Moon Orbit Radius Relationship**

"Angle  $\theta = 0.142984$  effects on Earth- Moon distance and on Jupiter diameter creation, that's why both are related to each other" (my Claim)

### **Jupiter Diameter and Earth Moon Distance Relationship**

#### **I-Data**

#### **The Moon Orbit relationship with Jupiter**

- 1- **The Distance Between the Earth and The Moon (at Apogee Point) = All Solar Planets Diameters Total = 2 Jupiter Diameters +1 Saturn Diameter**
- 2- **The Distance Between the Earth and The Moon (at total Solar Eclipse Point)= Saturn Circumference**
- 3- **2 Jupiter Circumference – 1 Jupiter Diameter= 2 Saturn Circumference**

#### **II- Discussion**

- I see the ideas are clear, Saturn Diameter is created based Jupiter Diameter as Equation No. 3 tells us, means created depending on Angle  $\theta = 0.142984$ , also the distance between Earth and moon depends on Angle  $\theta = 0.142984$  (as we have seen in previous sub-point 6-4) .... I guess this is a clear proof for my claim...

Actually the moon orbit is more complex to be explained by just one information we need to discuss it in more details later

**Let's provide one remarkable puzzle concerning the moon orbit in following...**

#### **The Moon Orbit Structure Puzzle**

- 1- The Distance Between the Earth and The Moon (at Perigee Point) = The Outer Planets Diameters Total.
- 2- The Distance Between the Earth and The Moon (at Apogee Point) = All Solar Planets Diameters Total = 2 Jupiter Diameters +1 Saturn Diameter
- 3- The Distance Between Perigee And Apogee = The Solar Inner Planets Diameters Total= Earth Circumference

**5-6- Angle  $\theta$  and Mars Data**

5-6-1 Angle  $\theta$  and Mars Orbital inclination (1.9 degrees)

5-6-2 Mars Axial Tilt (25.2 degrees)

**5-6-1 Angle  $\theta$  and Mars Orbital inclination (1.9 degrees)**

**I-Data**

1. (Neptune Orbital Period 59800 days / Neptune Orbital Distance 4495.1 m km) = 13.3
2. Earth orbital period 365.25 days / Moon Orbital period 27.3 days) = 13.3
3. 25.2 degrees Mars Axial Tilt / 1.9 Mars orbital inclination =13.3
4. **Mars Orbital Inclination 1.9 degrees /  $\theta$**  =13.3

**But**

5.  $(1.91)^4$  = 13.3

To understand that let's see more Data

**More Data**

$\theta$  defines Planets Axial Tilts

$$\theta = \frac{25.2 \text{ Mars Axial Tilt}}{177.4 \text{ Venus Axial Tilt}} = \frac{3.4 \text{ Venus Orbital Inclination}}{23.45 \text{ Earth Axial Tilt}} = \frac{(1.9)^2 \text{ Mars Orbital Inclination}}{25.2 \text{ Mars Axial Tilt}}$$

We may remember that

$$\theta = \frac{1}{7 \text{ Mercury Orbital Inclination}} =$$

Previous Equation tells us  $\theta$  is the rate between all solar inner planets axial tilts and orbital inclinations.. we will discuss the reason in point No.9 (Jupiter and inner Planets Relationships)

Now let's see the following Equation

$$\mathbf{13.3 \times \theta = 1.9 \text{ (Mars orbital inclination 1.9 degrees)}}$$

The Equation tells us the previous 3 values are essential in the solar group geometry

What does that mean?

1.9 degrees (Mars Orbital Inclination) is very specific factor in the solar group geometry

Now we may have a reason for the strange data which we faced frequently before....!

$$\frac{\text{Mars Diameter}}{\text{Moon Diameter}} = \frac{\text{Earth Diameter}}{\text{Mars Diameter}} = \frac{\text{Mars Orbital Period}}{\text{Earth Orbital Period}} = \frac{\text{Mars Orbital Distance}}{\text{Mars Venus Distance}} = \frac{\text{Mars Mass}}{\text{Mercury Mass}} = \frac{25.2}{13.3} = 1.9$$

We don't know the mechanism by which these values rate is found and considered as Mars orbital inclination, we need more search to know, but we know now that, this value 1.9 is defined by 2 basic values (angle  $\theta$  and Factor 13.3 on which Neptune depend to send his energy, "please see Point No. 1 in previous data) that's why this value is so effective in the solar group geometry and motions

Actually we will discuss the basic logic behind the solar planets motions in Point No. 7, because many concepts we need to review and argue about its credibility

Let's before discuss Mars Axial Tilt

**5-6-2 Mars Axial Tilt (25.2 degrees)**

**Mars Axial Tilt is Kepler 3<sup>rd</sup> Law Constant**

We have known before, Let's see kepler table here

$$P^2 * 25 = d^3$$

Where

- **P** : The Planet orbital period -**d** : The Planet orbital distance
- **25**: Mars Axial Tilt - The results are shown in the following table

<b>Table No.3</b>				
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%

**Table explanation**

- Mars Axial Tilt = 25.2 Degrees (the table constant)
- The previous table uses directly Kepler 3<sup>rd</sup> Law for the solar planets motions. The planets used data are from NASA Planetary Fact Sheet, and the used units are standard units (the day for time and million km for distance). i.e. the constant is real and correct. Previous table tells us that, Mars is specific Planet in the Solar Group.

**Note Please**

**Equation No. 3 ( previous page)**

(Mars Axial Tilt) 25.2 degrees = Mars Orbital Inclination 1.9 degrees x 13.3

**Also**

Neptune Orbital Inclination (28.3) – Jupiter Axial Tilt (3.1) = 25.2 degrees (Mars Axial Tilt)

We can't consider all data as just pure coincidences, where data is so much we may have a chance to review some basic concepts.. we should do in point No.7

## **6- Solar Planet Orbital Distance Discussion**

6-1 Gerges Francis Equation

6-2 Definition of Distance

6-3 Solar Planet diameter and orbital distance relationship

### **6-1 Gerges Francis Equation**

#### **1<sup>st</sup> Form**

$$(\text{Planet Orbital distance})^2 = 2(\text{Previous Planet orbital distance})^2 + 2 (\text{distance between both})^2$$

#### **2<sup>nd</sup> Form**

$$(\text{Planet Orbital distance})^2 = 2(\text{Previous Planet orbital distance}) \times 2 (\text{distance between both})$$

3 Exceptions:

- Earth depends on Mercury and Not Venus
- Mars depends on Venus and Not Earth
- Pluto depends on Uranus and Not Neptune

Let's prove if these equations are correct

#### **I-Data**

<b>Table No.4</b>	<b>Error</b>
$(\text{Venus orbital distance})^2 = 2 (\text{Mercury orbital distance})^2 + 2(\text{Mercury Venus distance})^2$	0.2%
$(\text{Earth orbital distance})^2 = 2 (\text{Mercury orbital distance})^2 + 2(\text{Mercury Earth distance})^2$	2.5%
$(\text{Mars orbital distance})^2 = 2 (\text{Venus orbital distance})^2 + 2(\text{Venus Mars distance})^2$	0.1 %
$(\text{Ceres orbital distance})^2 = 2 (\text{Mars orbital distance})^2 + 2(\text{Mars Ceres distance})^2$	-
$(\text{Jupiter orbital distance})^2 = 2 (\text{Ceres orbital distance})^2 + 2 (\text{Ceres Jupiter distance})^2$ = also $2 \times (\text{Mars Jupiter})^2$	-
$(\text{Saturn orbital distance})^2 = 2 (\text{Jupiter orbital distance})^2 + 2 (\text{Jupiter Saturn distance})^2$	-
$(\text{Uranus orbital distance})^2 = 2 (\text{Saturn orbital distance})^2 + 2(\text{Saturn Uranus Ceres distance})^2$	-
$(\text{Neptune orbital distance})^2 = 2 (\text{Uranus orbital distance})^2 + 2(\text{Uranus Neptune distance})^2$	3.8%
$(\text{Pluto orbital distance})^2 = 2 (\text{Uranus orbital distance})^2 + 2(\text{Uranus Pluto distance})^2$	-

#### **Note Please:**

2<sup>nd</sup> form of the equation provides this same table approximately... which proves the equations are correct

## **Discussion**

The Previous Equation and data tell us a clear meaning that, the planets orbital distances aren't independent from each other.

What does that mean?

It's almost hard to accept that the planet orbital distance is defined based on the gravitation equation, which is controlled only by the planet and sun masses..

I try to offer new vision for the solar group, because the current one left many puzzles we still suffer with

For that reason we need to discuss deeply the basic question "**how does the planet move?**"

Although the previous Equation (Gerges Francis Equation) is similar to kepler laws, but I need here more than to publish this equation, I need to discuss the logic behind the planet motion to see deeply how the motion is really occurred.

Let's remember the distance definition before to start our discussion

## **6-2 Definition of Distance**

- Distance definition: **Distance is a form of Energy**
- **Proof**
  - We know the moon orbit regresses yearly 19 degrees independently (Metonic Cycle Facts), how the moon orbit can do that? How the distance can move?... **just if the distance is an energy, it can move!**

- **How the distance can be a form of Energy?**

The distance is a form of energy, because the distance is a dark fringe which is produced from light coherence

Young tells us Important information, that the darkness is produced by Light coherence, this information was known by Newton also, so we have 2 forms of light, the light and the darkness..

Also let's remember our discussion about the planet diameter and orbital distance relationship

### 6-3 Solar Planet diameter and orbital distance relationship

We have discussed that before... let's remember here again

**There's a relationship between the planet diameter and his orbital distance!** can such relationship be found? Let's see

- Mercury Orbital distance = Mercury Diameter x  $109^2$
  - Earth Orbital distance = Earth Diameter x 1092
  - Saturn Orbital distance = Saturn Diameter x 1092
  - Earth Mars distance = Mars Diameter x 1092
  - Jupiter Mars Circumference = Jupiter Diameter x  $109^2$
- If all solar planets follow this same rule, everything would be all right, but not all solar planets follow this same rule... why?
- Simply, far from this rule, is there a clear relationship between the planet diameter and his orbital distance?
- Let's look at the solar group, Mercury- Venus and Earth sequence tells us a clear rule –Greater Diameter means Greater Orbital Distance- something not clear is happened with Mars – after Mars the rule is reflected so we found that- Greater Diameter means shorter Orbital distance in clear sequence Jupiter – Saturn – Uranus – Neptune and Pluto...what happened with Mars.. not clear yet ... but is there a relationship between the planet diameter and his orbital distance "**Almost Yes**"...So let's ask
- i. Why and how such relationship can be found?
- All this data pushes us to suggest that, the planet diameter and his orbital distance are created from the same light beam or from the same energy Trajectory, where Planet diameter is a bright fringe and planet orbital distance is dark fringe according to my theory, so both are produced by the same process and from the same stuff,
- But because the coherence process isn't always simple and clear, the rule which presents this process isn't always simple and direct that's why just 5 planets follow the rule even approximately because the others light beams got coherence by more complex situations producing more complex rules to control this relationship, concerning this same approach, but if we change the approach we may find more easy equations express all solar planets (examples: Kepler laws and Gerges Francis Equation –Point No.6)
- All that tells us, the whole solar group is one machine!...**all solar group components are made from the same stuff**...i.e. **the matter and space are made from the same energy!!**
- Please Note/ Young experiment tells us that, **Dark Fringe** is produced from the light coherence that means the darkness (distance) is made from light coherence! (I.e. the space or distance – darkness- is a form of Energy)
- The Idea is clear... **The solar Group is made of light totally, and because there are many frames in the group, we see the light in different forms** (matters and distance are examples)

Also we have discussed the following before

### **Moon Angular Diameters**

#### **Moon Diameter**

angle between these 2 light beams  $\gamma = 0.5$  degree

(The real value is  $\gamma = 0.532$  degree, we learnt that from the total solar eclipse)

Now let's think

$\gamma = 0.532$  degree

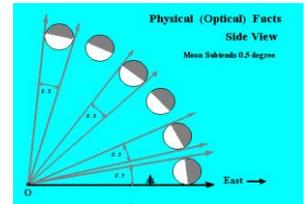
expresses the moon diameter 3475 km

360 degrees

expresses what??

$$\frac{360}{0.532} \times 3475 \text{ (Moon Diameter)} = 2351503.8 \text{ mkm (Moon Orbit Circumference)} \text{ (Error 2.5\%)}$$

**Vision angle defines moon diameter and his orbital circumference! Why?**



### **The Discussion**

I rewrote the related data together here to see much better our argument

We need to discuss our main question "how does solar planet move?"

I dedicated this point for data collection but the next point I dedicated for the discussion

because I try to make this discussion as clear as possible

Let's start our discussion in following point.

## 7- Solar Planet Motion Description

7-1 Introduction

7-2 Planet Cyclic Data

### 7-1 Introduction

This paper provides another vision for the universe

Let's ask our main question

*How does the planet move? By gravity!*

We kept that by heart, But we understand nothing!

By what mechanism the gravity attracts the planet to move? Does the gravity need time or work instantly? Why does a matter produce a gravity?

These questions we asked frequently before

Let's remember our hard question,

*How does the planet define his orbital distance?*

**By gravity** based on his mass! According to the gravitation equation ( $m/r^2$ ).

Is it true? But I can't find any reference for this equation in the solar planets order, why Jupiter is Not in place of Mercury?

Why the solar planets are not ordered as following

Jupiter – Saturn - Neptune - Uranus - Earth- Venus – Mars – Mercury - Moon –Pluto

Order according to their masses because the sun mass is constant in all gravitation equations?

The answer for this question will be relating to the history of the nebula cooling process!

But why the gravity concept is acceptable? What proves it?

**I want to say**

### **Our Solar Planet Motion Description Is Very Poor And Incorrect**

*I don't criticize the gravity concept*

I try to explain the planet motion logic

I understand that, the solar group is a group of gears and conveyors, the motion is transferring from point to another point along the trajectories, because the energy is transported from point to another through the group as we have discussed before.

The energy transportation through the solar group, causes the motion transportation from point to another (as in gears motions), creating planets axial tilts and orbital inclinations cyclic numbers to use in these motions. also the Energy transportation causes the harmony between the planets motions and data in addition to create **planets matters and masses...**

So the solar group can be similar to a river has many canals, at end of each canal the water creates a soil from its clay (energy), so all these canals are related to each other, effect on each other and also their different soils are related to each other, to the different canals and to the main river.

The Previous idea gives us a general vision for the solar group whole structure,

The main point is related to **the energy**

As the river water is transported through the canals and create the canals forms and motions Very similar to that,

the Energy is transported through the solar group creating the planets matters and suitable motions in harmony providing the chance for the energy **to pass**

This description answers our old question, why there's a harmony in planets motions  
Let's see one example in following

**Mars orbital period**

- 687 days (Mars orbital period) = 27.3 days (Moon Orbital Period) x 25.2 degrees (Mars axial tilt)
- 687 days (Mars orbital period) = 365.25 days (Earth Orbital Period) x 1.9 degrees (Mars orbital Inclination)

The previous equations (relationships) were considered as pure coincidences before,  
But now, we may see there's a geometrical reason behind, even if we still don't know the mechanism but we know at least that the energy transportation to Mars comes from the Earth and Moon that's why they have this harmony..

**7-2 Planet Cyclic Data**

**7-2-1 Neptune Axial Tilt**

Neptune Axial Tilt 28.3 degrees .....Where

$$\frac{180}{2\pi} = 28.63$$

Between 28.3 and 28.63 ..the error is 1.1% so we may consider both are equal

What does that mean?

180 degrees is a cyclic number also  $2\pi$  is a cyclic number and that means 28.6 degrees is a cyclic number ..

i.e. we should use Neptune Orbital Inclination as a number similar to these 180 degrees,  $\pi$  and 360 degrees

**Why Neptune has this specific Axial Tilt?**

Because Neptune uses this axial tilt in his motion and to help other planets to do their motions.... means the motion may be done through the geometrical structure and not through gravity!

Let's think about the pendulum motion... this motion needs a suitable geometrical structure...do we need to refuse the gravity concept here?! No,

It's trying to extend our thinking... may the gravity forces are less than what we imagine and the geometrical structure supports this force to perform the final motions..

May the gravity forces (or any other forces) effect on some planets and not all where the other planets move by the geometrical structure support (through the motions transportations as gears)

I want to say, the poor description of gravity forces prevented us to see deeply how the motion is done really, why and by what methods... the geometrical structure is a crucial tool providing us a great help to see deeply

**Again why Neptune has this cyclic Number? ...Let's think**

we know Neptune reflected the energy sent by Jupiter, and he reflected this energy into 2 different energy trajectories toward solar inner planets, means Neptune works as a main gear in the group

he receive the energy from Jupiter and reflects it toward the inner planets

so the cyclic number is very suitable for him but how this works?!

Let's try to see more deeply as possible

### **7-2-1-1 Earth Axial Tilt**

Earth Axial Tilt is 23.45 degree, if this value is defined on the horizontal axis so relating to the vertical axis this number will be 113.45 degrees...But

$$113.45 = 4 \times 28.3 \text{ degrees (Neptune Axial Tilt)}$$

We know Earth has a cycle of 4 years (365+365+365+366) =1461 days...

Is there a relationship between Neptune Axial Tilt 28.3 degrees and Earth Cycle 4 years (1461 days)? We still need to write "Earth Motion paper" to answer this question.

### **7-2-2 Mars Axial Tilt**

We have studied Mars Axial tilt (25.2 degrees) in previous sub-point 7-2 Mars Axial Tilt (25.2 degrees)

Please review it and see how the planet axial tilt and orbital inclination effect on many solar planets orbital periods and distances

### **7-2-3 Jupiter Axial Tilt (3.1 degrees)**

3.1 degrees is very near to  $\pi$  value (error 1.4%)

I see it's noticeable that Jupiter and Neptune has axial tilts cyclic numbers (28.3, 3.1 degrees respectively)

Actually I see that as support for my explanation, because I assumed that the energy started from Jupiter and reflected by Neptune and now these 2 specific planets have cyclic numbers for their axial tilts

Actually Uranus also has a cyclic axial tilt =  $\pi^4 = 97.8$  degrees

Uranus role in Energy transportation process we should discuss in the **Jupiter Energy Origin** (point No.10)

Where we may get more support for this same concept that, the planet axial tilt cyclic number is used for the most basic effective planet in the process

let's try to support this description

I claim the matter and mass is created by the transported energy but the current theory tells us that the mass is a particle property

So, let's discuss the Solar Masses creation and distribution in next point to see more clear this argument.

## 8- Solar Masses Distribution

8-1 Mass can't be a particle property

8-2 Solar Group Masses Distribution

8-3 Earth as "A Great Electron"

### 8-1 Mass can't be a particle property

Solar group data tells, the mass can't be a particle property

#### I- Data

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

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

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

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

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

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

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

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

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

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

#### II- Discussion

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

The Previous data is in harmony with my theory, because I assume that the mass (matter) is created from the light (as electron and positron production from Gamma rays), that provides a reason behind the previous relationships

i.e.

let's try to see the solar group masses distribution in following

## 8-2 Solar Group Masses Distribution

The solar group total mass distribution gives us new vision about the Mass  
Let's see that as following...

- The solar group total mass =  $2667 * 10^{24}$  kg,
- This mass total is divided into 2 parts with rate 1:  $(3.66)^2 = 200 : 2467$
- Value  $2467 * 10^{24}$  kg is divided with rate 3/10 (Saturn Mass/Jupiter mass)

•  **$200 * 10^{24}$  kg is separated into 2 equal parts 100 (Neptune Mass) + 100 (others mass)**  
(Previous Equation "No. 9")

**From this distribution, we found that,**

- $100 * 10^{24}$  kg (the rest after Neptune) is separated to 88 Uranus + 12 the rest
- **$12 * 10^{24}$  kg is separated into 2 equal parts 6 (Earth Mass) + 6 (total masses of Mercury + Venus+ Moon +Mars)**  
(Previous Equation "No. 8")

Let's see the light velocity around each Mass

### 8-2-1 Light Velocity

**I assume the light velocity at Jupiter = 1.16 mkm/sec (very near to 4C velocity)**

Let's suppose that with each division 1 C is consumed... as following

So

- i- Mass =  $2667 * 10^{24}$  kg (Its light velocity = 4C)
- ii- Mass=  $200 * 10^{24}$  kg (Its light velocity = 3C)
- iii- Mass =  $100 * 10^{24}$  kg (Neptune Mass) (Its light velocity = 2C)
- iv- Mass=  $12 * 10^{24}$  kg (Its light velocity = C)
- v- Mass=  $5.97 * 10^{24}$  kg (Earth Mass) (A Great Electron)

- Why the masses division decrease the light velocity! We have seen that in Anderson Experiment – pair production- Gamma rays moves with light velocity produced electron and positron both move with lower velocity, so I concluded that the matter production from Gamma Rays causes to decrease 1 C velocity.

i.e.

- The Mass is divided into parts as mentioned before, with each division 1 C velocity is consumed, that's why there are different velocities of light
- C velocity is the difference between any 2 values, that's why c velocity is dominant light velocity

### **8-2-2 Mass Distribution Explanation**

The Mass distribution depends on Anderson Experiment 1932 (produced electron and positron from Gamma rays 1.2 Mev)

The description assumes that, a great light beam produced 2 matters (as electron and positron), this will be explained in point 8-3 Earth as "A Great Electron"

But here we discuss another question, which is

If the matter is bright fringes how Anderson produced electron and positron from gamma rays? How can we understand that?

Why we see the light beams as lights and not matters?

We move by  $c$  velocity (as we have discussed before), so we see the light beams (from the sun for example) because the sun is very slow relative to us

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

What did Anderson in his experiment?

He accelerates Gamma rays to move with our velocity and by such way we see the electron and positron...

Now let's discuss

### *How the Earth can be A Great Electron?*

### **8-3 Earth as "A Great Electron"**

#### **The Earth mass = Four Inner Planets Masses Total! Why?**

#### **The Earth Is A Great Electron**

- The Earth is A Great electron, that means Earth atoms have positive nuclei and negative charges move around, which is truth ...

And

- The 4 Planets (Mercury, Venus, the moon and Mars) together form A great Positron (their atoms have a negative nuclei and positive charges moves around- Hypothesis)
- This idea depends on Pair production (Anderson Experiment), producing electron and positron from Gamma rays (1.2 Mev)
- Based on this description we may have attraction force between these five planets to use in place of the gravity concept

#### **The Solar System Geometry (Part I)**

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

## 9- Jupiter and inner planets relationships

9-1 Jupiter Orbital Circumference

9-2 Mercury rotation Period

9-3 Mercury Day

There's a clear relationship between the inner planets and Jupiter

This relationship is deep and beyond the distances relationship which I explained in point No.4 (Jupiter Energy) let's try to discover this relationship in following

### 9-1 Jupiter Orbital Circumference

Let's remember here our old notice that

The inner planets define their orbital circumferences relative to Jupiter and Not to the sun

- Mercury orbital Circumference  $\times 2 =$  Mercury Jupiter distance  
(=Mercury motion during his day (175.97 days))
- Venus Orbital Circumference = Venus Jupiter distance
- Earth Orbital Circumference = Earth Jupiter distance (both are found at different sides of the sun i.e.  $940 \text{ mkm} = 149.6 \text{ mkm} + 778.6 \text{ mkm}$ )
- Mars Orbital Circumference = Saturn Orbital distance (Mars is exceptional in many features)

But

**Jupiter Orbital circumference = Mercury Orbital circumference+ Venus Orbital circumference + Earth Orbital circumference+ 2 x Mars Orbital circumference**

### 9-2 Mercury rotation Period

<b>Table No. 5</b> Mercury rotation Period	Error
Mercury Rotation Period = 1407.6 hours	
<u>Mercury Rotation Period x 2</u> = 2815.2 h (Venus Day 2802 h)	less 1%
<u>Mercury Rotation Period x 3</u> = 4222.6 h (Mercury Day 4222.6 h)	No error
<u>Mercury Rotation Period x (2+1)</u> = 5831.5h (Venus Rotation Period 5832.5h)	No error
<u>Mercury Rotation Period x 0.5</u> = 703.7 h (Moon Day 708.7 h)	less 1%
Venus Day 2802 h x 2+1 = 365.25 days (Earth Orbital Period)	No error

- Earth orbital period  $365.25 \times 1.9$  (Mars Orbital inclination) = 687 days Mars Period
- Mars Orbital Period 687 days  $\times 2+1 = 4331$  days Jupiter orbital Period

### Discussion

We see a connection between Mercury rotation period through the inner planets till reach Mars orbital period with connected directly to Jupiter orbital period

i.e.

- Inner planets are related to Jupiter in orbital distances and periods (conclusion will be discussed later)

### **9-3 Mercury Day**

Here we have interesting data

- Mercury Day = 4222.6 hours,  
Mercury needs 1.4 hours to be 176 days (1.4 hours = 5040 seconds)

Where

- 5040 seconds x 1.16 mkm/sec = 5870 million km (Pluto Orbital distance) (1<sup>st</sup> Equ)
- 5040 seconds x 0.3 mkm/sec = 1512 million km = Jupiter orbital diameter (2<sup>nd</sup> Equ)

### **Note Please**

#### **1<sup>st</sup> Equation**

Mercury during 8 of his days (this period = 1433.5 solar day), moves a distance = 5870 million km

i.e.

The light moves 5870 mkm during 5040 second (needs 1 Mercury day) but Mercury moves this same distance during a period = 8 of his days = 1433.5 solar days

i.e.

Mercury move after the light

### **What does that mean?**

- Mercury (planet) moves by 4.095 million per day relative to us, but Mercury himself is a light beam moves with 1.16 million km/sec relative others
- The distance which is passed by the light beam should be passed also by the planet himself creating 2 different rates of motions
- So Mercury (the planet) needs 1433.5 days to cover the distance 5870 mkm which the light beams passed during 5040 second (1.4 hours), but this 1433.5 days we see as Saturn orbital distance 1433.5 million km, because Mercury moves in different frame relative to us (and to Saturn also)
- We know each mercury day = 176 solar days minus 1.4 hours
  - o In 8 Mercury days this value 1.4 hours will be 11.2 hours = 40320 seconds
  - o We see this 40320 seconds as **Earth Circumference** 40080 km (error less than 1%)
  - o So this period also is shown to us but not in period form but in matter form

Actually this value 40080 km is very important for us... let's discuss in following point (But the previous discussion explains how the distance value can be time value in another frame)

## **10- Jupiter Origin Energy**

The solar group main energy starts from Jupiter  
And from where Jupiter brings his energy?  
Form the Earth motion?!  
Let's see the following important equation

40080 km (Earth circumference) x 29.8 km/sec Earth velocity = 1.2 million km/sec  
In the previous point we discussed that  
Earth Circumference is a time at Mercury

40080 seconds we see as 40080 km as Earth circumference  
It's wrong vision  
It's not Earth circumference it's a period at Mercury  
Jupiter and Mercury are in the same frame

### **So the second at Jupiter = 40080 seconds of our time**

By such the Earth accumulate the energy which Jupiter will use as the solar group main energy (this is 3<sup>rd</sup> rate of time. Now Earth rate of time – Sun rate of time and Jupiter rate of time)

We may remember the energy accumulation logic here  
Let's summarize the main idea in following:

- The whole solar group is created from the same energy
- This Energy is transported From Point To Another Point Through The Group, creating the matters, distances and all other data
- The main energy is distributed according to the group components motions (solar planets motions in addition to the sun and moons motions)
- The Solar group is a group of gears, their motions are depended on each other and all of them are connected by the same energy which transported from point to another through the group
- The solar group can be similar to a river has many canals, at end of each canal the water creates a soil from its clay (energy), so all these canals are related to each other, effect on each other and also their different soils are related to each other, to the different canals and to the main river.
- Energy Accumulation Process depends On The Time Delaying
- That means, if there are different rates of time in the solar group that will create different values of the same energy according to the time rate change
- Planets daily motions energies are accumulated to produce higher energy (transferring the mechanical waves into light beams) by equal light motion energy based on a different rate of time for the sun
- That means, c velocity is produced at the sun position, because the sun has specific rate of time enables Earth to accumulate her daily energy till be equal a light energy producing a difference in velocities = c velocity

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

### 1- Introduction

On 3<sup>rd</sup> 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 3<sup>rd</sup> 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 3<sup>rd</sup> 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)

## 1<sup>ST</sup> SECTION

### **Why the Lunar year doesn't correspond with the sidereal year at any cycle?<sup>1</sup>**

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<sup>2</sup>

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

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

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

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

That lead to the following results

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

The lunar cycle which contain 33 Synodic year = 11687.999days

The Sidereal Cycles which contain 32 sidereal year = 11688 days

Where both come to end in the same day

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

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

<sup>2</sup> - Total Solar Eclipses and how to Observe them- Martin Mobberley- page. 11

## 2<sup>ND</sup> 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

### 3<sup>RD</sup> 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 = <b>39 L. Y + 66.408 d</b>	38 BLY+ 199.5 d
M. Cycle 3	57 S. Y	19	58 L. Y + 276.703 d	57 BLY+ 299.25d
<b>M. Cycle 4</b>	<b>76 S. Y</b>	20	77 L. Y +486.998 d = 78 L. Y +132.8162 d	<b>76 BLY+399d = 77 BLY+39 days</b>
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= <b>137 L. Y +55.3374d</b>	134BLY+ 338.25d
M. Cycle 8	152 S. Y	19	156 L. Y +265.6324d	153 BLY+438d= <b>154 BLY+78days</b>
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= <b>235 L. Y +44.267d</b>	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= <b>333 L. Y + 33.1966d</b>	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 <b>431 L. Y +22.12626d</b>	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**

			<b>529 L. Y +11.0558d</b>	
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	<b>626 L. Y + 354.1872=627 L. Y</b>	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= <b>666 L. Y + 66.3936d</b>	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= <b>764 L. Y + 55.3224d</b>	751BLY+289.5d
M. Cycle 40	760 S. Y	19	783 L.Y + 265.6174d=	<b>770BLY+389d= 771 BLY +29 days</b>

### 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 4<sup>th</sup> Metonic Cycle which equals 76 Sidereal years (that similar to the Sidereal Year, 3 years equals 365 days and the 4<sup>th</sup> year is 366 days).....
- 2- but after 4<sup>th</sup> 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 8<sup>th</sup> Metonic Cycle 154 Basic Lunar Year + 78 days.... And that continues)
- 3- But at Metonic Cycle No. 40<sup>th</sup> 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 4<sup>th</sup> Metonic Cycle, and we know this period 39 days decreases by 10 days each 684 sidereal years, and that means we need four Cycles which will decrease the 39 days to be (-1 day) which is the most near to the metonic Cycle.
- 5- Now we need 4 Cycles of the period 684 years where **These 4 Cycles Equals 2736 Sidereal Years**
- 6- And based on that the 2736 Phenomenon was a Metonic Cycle and this period was needed to Correspond the Basic Lunar year with the last day of Metonic Cycle (the Basic Lunar Year equals 360 days – the bible year which no one considers in modern life)
- 7- Now we saw 39 days which found in Metonic Cycle No. 4, have decreased as (10/10/10/9) at interval 684 Sidereal years for each 10 days, by that we found the 2737 Egyptian phenomenon for which we researched,
- 8- But still there are two questions, first about the number because we got the Cycle of 2736 Sidereal Years and not 2737 Sidereal Years, and the second question about the last day we need because 39 equals (10/10/10/9) and the decreasing **EACH 684 years equals 10 days** and that means the last cycle will have -1 day

We still have 2 question to answer respectively

### **The First Question**

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

#### **the answer**

As we know Metonic Cycle is 6939.75days

We know Saros Cycle is 6585.35 days

And the difference between both is 354.2 days

Which equals a modified lunar year approximately..

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

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

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

So Both connected with Great Relation

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

### **The Second question about the minus day**

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

So each 2736 Sidereal years we have -1 day

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

### **A comment on**

#### **The Egyptian Astronomic Phenomenon 2737**

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

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

## AUTHOR CURRICULUM VITAE

# Freelance Translator

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### EDUCATION

(All Certificates  
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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

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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 Серия 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

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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

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Gerges Francis Tawadrous/

67

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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](http://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**

#### 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](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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