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

Earth and Mars Motions Interaction
(4 Sidereal years Cycle -1461 days-)

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S. Virgin Mary Assumption into Heaven on 22nd March 2018- Written in Cairo – Egypt

Abstract
Why does Earth rotate 4-years Cycle?
Because there's an interaction and coherence between Earth, Moon and Mars Motions, this interaction causes this 4-years Cycle
This paper tries to prove this fact, and explains its mechanism.

Also we discuss here the "Distance" and "Time" Definitions, explaining how to distinguish between the matter and space.

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### Planetary Fact Sheet - Metric

<table>
<thead>
<tr>
<th></th>
<th>MERCURY</th>
<th>VENUS</th>
<th>EARTH</th>
<th>MOON</th>
<th>MARS</th>
<th>JUPITER</th>
<th>SATURN</th>
<th>URANUS</th>
<th>NEPTUNE</th>
<th>PLUTO</th>
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<td>10.7</td>
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<td>0.363*</td>
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<td>1352.6</td>
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<td>108.9</td>
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<td>816.6</td>
<td>1514.5</td>
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<td>5.4</td>
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<td>3.4</td>
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<td>2.5</td>
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<td>1.8</td>
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<td>0.007</td>
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<td>0.049</td>
<td>0.057</td>
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<td>25.2</td>
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<td>Unknown*</td>
<td>Unknown*</td>
<td>Unknown*</td>
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<td>Number of Moons</td>
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<td>0</td>
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<td>67</td>
<td>62</td>
<td>27</td>
<td>14</td>
<td>5</td>
<td></td>
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<td>Ring System?</td>
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<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
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<td>Yes</td>
<td>Yes</td>
<td>No</td>
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<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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</tbody>
</table>

http://nssdc.gsfc.nasa.gov/planetary/factsheet/
1- Introduction

- **The Main Hypothesis:** There's an interaction and coherence between Earth, Moon and Mars Motions, and this interaction causes Earth 4-years cycle.

- Planets motions interaction and coherence is a new concept, so we need to prove it.

- **How can I prove this fact? How such interaction can be showed?**

- may be through these planets real data …let's see that

- Mars Orbital Period 687 days =  
  = Earth Orbital Period (365.25 days) x 1.9 (Mars Orbital inclination) \( I \)  
  = Moon Orbital Period (27.3 days) x 25.2 (Mars Axial Tilt) \( I \)  

- The current theories tell us that, the previous relationships have no "geometrical reason behind" they are only "Pure Coincidences"!, so let's see more data….

<table>
<thead>
<tr>
<th>Earth Diameter</th>
<th>Mars Diameter</th>
<th>Venus Diameter</th>
<th>1.9 (Mars Orbital Inclination)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mars Diameter</td>
<td>Moon Diameter</td>
<td>Earth Radius</td>
<td></td>
</tr>
</tbody>
</table>

(Max Error 2.8%)

- "More Pure Coincidences"!, Let's see more

<table>
<thead>
<tr>
<th>Earth Orbital Distance</th>
<th>Mars Orbital Distance</th>
<th>Earth Mars Distance</th>
<th>Venus Orbital Distance</th>
<th>1.9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earth Mars Distance</td>
<td>Mars Venus Distance</td>
<td>Earth Venus Distance</td>
<td>Mercury Orbital Distance</td>
<td></td>
</tr>
</tbody>
</table>

(Max Error 1.6 %)

- I try to think beyond the current theories because of thousands of unanswered questions left behind… for example, we keep by heart, the gravity controls the planet motion and his orbital distance …but the gravity equation \( (m/r^2) \) tells us "More Mass means Less Distance", **So why Jupiter is Not in Place of Mercury?** Simply there's no relationship between the Planet mass and his position in the solar group!

Solar Planets Order disproves the Gravity Theory  
[http://vixra.org/abs/1801.0114](http://vixra.org/abs/1801.0114)

- I don't criticize any current theory, I try to use the solar planets data to understand the Solar System Geometry and Motion, avoiding the secret word "Pure Coincidence"! Let's remember here our old friend "The total Solar Eclipse question" …why do we see the Sun Disc = The moon Disc…? Because

<table>
<thead>
<tr>
<th>Earth Diameter</th>
<th>Earth Orbital Distance</th>
<th>Moon Orbital Circumference</th>
<th>400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moon Diameter</td>
<td>Earth Moon Distance</td>
<td>Earth Radius</td>
<td></td>
</tr>
</tbody>
</table>

- The Previous Relationship was considered also as "Pure Coincidence", then we asked **Why does the moon rotate Metonic Cycle if the moon is controlled by Earth Gravity, which Earth doesn't**, but the answer was no body knows

- **To summarize** I suppose there's an interaction in motions between Earth, Moon and Mars, and this interaction causes Earth 4-years Cycle, but I can't prove that by the planets data because the current theories consider all data as "Pure Coincidences"…

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2- Research Methodology
- The main idea ….
"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 $3^2+4^2= 5^2$
- For that I analyze the solar planets data, to discover the planet real geometry and origin…But
- The Solar Data Analysis may give us another vision for the universe, let's see one Example in following

Why the moon orbital circumference (at apogee) = Earth daily motion distance?

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

Let's explain my theory
- The moon apogee radius = 406000 km, its circumference = 2.58 mkm
- The Earth daily motion = 2.58 mkm
- 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 = 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) ..this may explain Why the moon orbit circumference = Earth daily motion?

But the moon data has more puzzles… let's see more 2 Examples

1st Example / 

<table>
<thead>
<tr>
<th>Moon Orbit Circumference (at apogee)</th>
<th>406000 km</th>
<th>29.53 days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moon Orbit Circumference (at average orbit)</td>
<td>384000 km</td>
<td>27.32 days</td>
</tr>
</tbody>
</table>

2nd Example / 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
3- The Distance Between Perigee And Apogee = The Solar Inner Planets Diameters Total= Earth Circumference… (we need to discuss such examples later)
3-On the Motions Interaction and Coherence
3-1 General Description
3-2 Definition of Distance
3-3 Definition of Time

3-1 General Description
What does mean the motions interaction and coherence?

I imagine that's similar to the gears motions
Or to conveyors motions

There's an interaction occurred between 2 gears, and then these 2 gears move together after this interaction…
i.e.
Each gear motion depends on the other motion
The previous data tells that (but the proof will be later) …

- Mars Orbital Period 687 days =
  = Earth Orbital Period (365.25 days) x 1.9 (Mars Orbital inclination) (I)
  = Moon Orbital Period (27.3 days) x 25.2 (Mars Axial Tilt) (II)

Mars Orbital Period and Inclination are related to Earth Orbital Period, they are interacted together and no one of them can move individually…
That means
Earth, Moon and Mars Motions are interacted together and they move as a group

I can see this is strong claim hard to be acceptable based on the previous 2 relationships,
But we need to discuss our basic concepts and explain the solar group motions to see if such claim can be real
Let's refer to some brief and simple definitions in this point, where these definitions with many others we should discussed deeply in next Point (4- Matter Creation Theory)

3-2 Definition of Distance

What's the distance?
How can we create a distance?
One of our basic problems with current theories is the unified definitions absence!

My definition of Distance is:
"The Distance Is A Form Of The Energy Forms"

The meaning of this definition is explained clearly from its words
And correctly, we can create an energy from the Space, extends the Energy Conservation Law
3-3 Definition of Time

My definition of Time is:

"The Time Is A Form Of The Energy Forms"

The words are clear enough
Yes,
There's NO difference between Time and Distance

And that means
The time values in one frame will be worked as distances values in another frame
i.e.
The time and distance value are one value but are seen from 2 different frames

For example
- 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….

Much better explanation we can provide in next point (4- Matter Creation Theory)
4- Matter Creation Theory

4-1 The Main Idea

I- Double Slit Experiment

- We know from the 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

II- The Main Hypothesis

The Matter Is The Bright Fringe Produced By Light Coherence

I answered the question "Why we see the light as matter?" in my paper " Earth moves with light velocity relative to the sun" (http://vixra.org/abs/1709.0331)

Let's summarize that here:

- We see only the Bright Fringes (light his velocity = C)
  - 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 (observer)
  - That explains "The Nature Duality", when the particle moves with c velocity relative to me I would see it as light (wave) but when the same particle moves with no difference in velocity with me I would see it as particle (matter) (Particle Double Nature Reason http://vixra.org/abs/1712.0425)
  - "Earth moves with light velocity relative to the sun" that means
    - Earth moves in frame different from the Sun frame (i.e. there are many frames in the solar group)
    - "Earth motion" means "Solar Planets velocities total" which is loaded on the Earth because Earth creates new rate of time for the sun (1 year of Earth time = 1 day of Sun time) by such way, the solar planets velocities total will be 1/4 C velocity (at the sun point only)
  - The Solar Group is a group of moving gears, aiming to create a difference in velocity between 2 points = C Velocity and this difference is occurred between Earth and the Sun. (please review that paper)
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III- The Theory
If The matter is the 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 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 (higher than the 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 (limited to c velocity)

IV- The Theory Proves
The theory provides answers for many questions, let's start…

1st Question: How does the Planet define his orbital distance?
In this paper introduction we have discussed this question and found no relationship between the planet mass and his position in the solar group, where 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
  - Saturn / Mars (exceptional)
  - Uranus / Earth
  - Neptune / Venus
  - Pluto / Mercury
2nd Question: Why the particle has double nature (the nature duality reason!)

This question is answered before, let's repeat the answer here again
- This theory concept depends on a main hypothesis, that “there's more than one frame in the solar group.” i.e. there are components in the solar group move with light velocity relative to other components in the group… in fact the hypothesis tells that, Earth moves with light velocity (c velocity) relative to the sun … I explained and discussed this hypothesis in my previous paper.. but this hypothesis result will be that, there's more than one frame in the solar group …one frame moves with c velocity relative to me and the other moves with my velocity …

If we accept that, the explanation will be very simple
- when the particle moves in the first frame I'll see it as a wave (light) but when the same particle moves in the second frame I'll see it as matter (particle) (but why the same particle moves in many frames? We should answer that later)

(Particle Double Nature Reason http://vixra.org/abs/1712.0398)

3rd Question: can such hypothesis be truth?

Is there many frames in the solar group? Is it real?
I can say "Yes"
The fact behind this hypothesis depends on the human mind
The mind works by electromagnetic waves (pulses of electricity), that means part of our body works actually with c velocity…
This is the secret, the matter around us is real and not imagination, but the matter is not matter, it's light beams (bright fringes their velocity = c), but our minds work by this same velocity (c velocity)
That's why we see the light as matter…

How such idea can be real? To answer let's answer another very important question

4th Question: How the matter is created?
The answer will be in next sub-point (4-2)
4-2 The 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

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<thead>
<tr>
<th>Table No.1</th>
<th>No error more than 1.5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mars Diameter / Venus Radius =</td>
<td>A²</td>
</tr>
<tr>
<td>= Venus Diameter / Moon Circumference =</td>
<td>A²</td>
</tr>
<tr>
<td>= Moon Radius * II/ Mercury Diameter =</td>
<td>A²</td>
</tr>
<tr>
<td>= Pluto Circumference / Mars Diameter =</td>
<td>A²</td>
</tr>
<tr>
<td>=Uranus Circumference / Jupiter Diameter =</td>
<td>A²</td>
</tr>
<tr>
<td>= lunar apogee radius /lunar perigee radius =</td>
<td>A²</td>
</tr>
</tbody>
</table>

Discussion

The previous table tells us that the rate A² 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 some of the following conclusions

1- The Solar Planets can't be created by random, where each planet is created in geometrical relationship to 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…

3- Still we have difficulty to understand this table, because how 2 planets diameters got geometrical relationship where 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, the whole solar group is one textile!...**all solar group components are made from the same stuff** ….i.e. the matter and space are made from the same stuff!!

- Young experiment tells us that, the darkness is made from light coherence! (i.e. the apace or distance – darkness- is made of light coherence!)

- So I suppose all spaces around us are made of light coherence, and also the space or distance is a form of the 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**
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- I need to explain that, the easy word "Pure coincidences" can't be solution at all… because the whole solar group is built by her components geometrical relationships… so I can provide huge number of data prove such relationships, in this time let's complete the previous table only

<table>
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<th>Table No.1</th>
<th>No Error More Than 1.5%</th>
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</thead>
<tbody>
<tr>
<td>Relationship</td>
<td>Rate</td>
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<td>A</td>
</tr>
<tr>
<td>Mars Diameter / Venus Radius = = Venus Diameter / Moon Circumference = = Moon Radius * π / Mercury Diameter = = Pluto Circumference / Mars Diameter = = Uranus Circumference / Jupiter Diameter = = lunar apogee radius /lunar perigee radius =</td>
<td></td>
</tr>
<tr>
<td>Pluto Circumference / Earth Radius = =Mercury Circumference / Earth Diameter = = Earth Diameter / Moon Circumference = = Uranus Radius / Mars Circumference = = Jupiter Diameter / Saturn Diameter = = Saturn diameter / Uranus Diameter =</td>
<td>A3</td>
</tr>
<tr>
<td>Venus Radius / Mercury Diameter = = Uranus Diameter / Earth Circumference =</td>
<td>A4</td>
</tr>
<tr>
<td>Uranus Diameter / Venus Circumference =</td>
<td>A5</td>
</tr>
<tr>
<td>Jupiter Radius / Uranus Diameter = = Mercury Diameter / Moon Diameter = =Mars Diameter / Mercury Diameter =</td>
<td>A6</td>
</tr>
</tbody>
</table>

The table tells us
We have reason to suppose that, "the matter is made of light or the matter is a light"

4-2-1 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
Let's ask what matter Anderson produced in this Experiment? Electron and positron
They are related to each other, they have the same mass and opposite charges and they have forced motion to each other… that what I'm telling here
If the matter is created from the light, the produced matter will be related to each other, and that's shown from the previous tables..
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
4-3 The Distance Creation
The theory tells us that, \( \text{the Distance is Dark Fringes} \)

The light coherence produces bright and dark fringes
I supposed

- Bright Fringes = Matters …and
- Dark Fringes = Distances

Based on this hypothesis
The distance is a form of energy, because the distance (dark fringe) is produced from light coherence with the matter (bright fringe)

Young experiment can tell us many deep information about the solar group creation
For example I don't know if the bright fringes will be dark fringes during the coherence process… (if that's real that means the matter can be a distance and vice versa)
So we can't extend our description here

We got 2 information here
1- The Distance Is A Form Of Energy
2- The Distance is created by light coherence as complementary to the created matter (the bright fringes production)

Let's see the Time Creation

4-4 Time Creation

\( \text{[Time is Matter Change Measurement found by Matter Creation]} \)

- We know the Produced matter is changing continuously, so the time is this matter change measurement…so
- The time is created with the matter
i.e.
- The time is created with the bright fringes

But
Actually there's another rate of time in the solar group ……let's see it

4-3-1 another rate of time
Because the solar group has more than one frame, for that reason The Distance Value in One Frame Works as Time Value in another Frame…
This idea we have discussed in this paper introduction
We used mercury Example
Let's provide another example here

- Procession of the equinox cycle = 25920 years
But
- 0.3 mkm /sec (c velocity) x 86400 seconds (solar day) = 25920 million km
Also
- 17.6 mkm (solar planets velocities daily total) x 1461 days (Earth Cycle) = 25920 mkm

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My idea is
These all numbers are just one number
There's an energy = 25920
And this energy is seen as 25920 years in one frame ….And
As 25920 million km in another frame…
So the distance value in one frame can be seen as time value in another frame

Based on that 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 will be as the distance (a form of the Energy)

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

2- 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 it and see if it will support my claim.

Let's answer our old question (why the same particle moves in many frames?) or (why the time Values can be seen as distances Values)

3- The time values are seen as distance values because the energy is transported from point to another in 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 textile (one thread or one line of Energy), in which the energy is transported from one point into another..
Please remember

4- The energy transportation process through the solar group aims to create a difference in velocities between 2 points = C velocity and that's occurred where the difference in Velocity between The sun and Earth = c Velocity that's why the sun is our source of light.
4-5 the Human Mind
This whole theory is built on the human mind features
Because the mind uses electrical pulses and electromagnetic waves in his operation
That's why we see the light as matters because our minds works by C velocity and we see
the light as matters because we have no difference in velocity between our mind and the
light…
Because the Sun is very slow in motion relative to us, the difference in velocity = C
velocity is created based on this fact.
That's why the sun is our source of light

4-6 Two Frames In The Solar Group (Lorentz contraction)
We discussed that before and now we know that there are at least 2 frames in the
solar group, one frame moves with Earth (loaded) velocity = C velocity relative to the
sun and the other frame moves with sun velocity

As the Special Theory of Relativity tells us,
The C velocity motion may cause Lorentz contraction
We may remember his equation
\[ L = L_0 \sqrt{1 - \frac{v^2}{c^2}} \]

i.e.
the measured distances and diameters in the solar group may be less than the
supposed values with this contraction

we have here one surprise
this percentage is constant and defined =
7.5%
What does that mean?
The measured value is less than the supposed value with rate 7.5%

We will study many cases applied to this concept in next points (Points No. 5 &6)
And in these cases we will examine what's the supposed value and why this supposed
value is correct, then we'll see what's the actual measurement and what puzzle is
produced from it.

Anyway, Lorentz contraction phenomenon is a direct proof for my claim, that
“There are 2 frames- at least -in the solar group”
5- Earth and Moon Motions

5-1 Planet Diameter and Orbital Distance
What does mean the word "motion"? If the whole solar group is made of the same light beams coherence?!

We have discussed before that, the matter, distance, time and light all these components are made of the same stuff
But this description is so general, means we can't understand what the motion is?
Let's explain that in some details

As we have discussed before, the distance is made of light beams coherence as the matter (where the distance is the dark fringe and matter is the bright fringe)

i.e.

The Space or Distance Is an Energy
This idea we have studied also…

So this energy (i.e. the distance) moves to the planet position, then this energy get some accumulation (or coherence) in this position by which the planet Matter (Planet Body) is created

i.e.
The planet matter and orbital distance both of them are made from the same Energy line
This idea we can conclude easily from the following data

- Mercury Orbital Distance = Mercury Diameter \( \times \) \( 10^9 \)
- Earth Orbital Distance = Earth Diameter \( \times \) \( 10^9 \)
- Saturn Orbital Distance = Saturn Diameter \( \times \) \( 10^9 \)
- Earth- Mars Distance = Mars Diameter \( \times \) \( 10^9 \)

We see easily that, the Planet diameter and his orbital distance both are defined by the same law
But, as we see, the situation is not very clear
Because not all solar planets follow this same rule (just 4 planets follow this rule even approximately) …why?
Because not all Energy lines related directly and simply to their planets as these 4 planets, Where the light coherence may have complex points, for that reason not all solar planets defined their orbital distances with clear and direct relationships as these 4 planets…

So, the main concept is
"The Planet creates his Matter (his body) From the Energy of his Orbital Distance or of his internal Distance"
If the coherence was simple and clear, so easy rules can be found control the relationship between the planet diameter and his orbital distance otherwise this relationship will be complex somehow...
5-2 The Moon Motion

What's The Moon Real Velocity Daily? i.e.
What's the distance, the moon moved every day actually?
The moon should move a distance equal to the Earth distance because they move together and if the moon velocity is different from Earth velocity they may separated during the course of time…

We know the Earth moves 2.58 million km daily
But what's the moon real motion daily?
Let's remember my theory about the moon motion which I provided before in the research methodology

5-2-1 The Moon Cycle (27.3 days)

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

Let's explain my theory
- The moon apogee radius = 406000 km, its circumference = 2.58 mkm
- The Earth daily motion = 2.58 mkm
- 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 = 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)
5-2-2- The 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 mkm
This value = 7.5% 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 the 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 that there's at least 2 frames in the solar group
5-2-3- Lunar sidereal and synodic months
We know why the moon has 2 months 27.3 and 29.53 days
But is the current explanation enough?
Let’s remember our methodology equation

\[
\frac{\text{Moon Orbit Circumference (at apogee)} \times 2.41 \text{ mkm} \times 27.32 \text{ days}}{\text{Moon Orbit Circumference (at average orbit)} \times 2.58 \text{ mkm} \times 29.53 \text{ days}} = \frac{29.53 \text{ days}}{27.32 \text{ days}}
\]

The previous Equation tells us that
- 29.53 days x 2.41 mkm (Moon average orbital circumference) = 71 mkm
- 27.32 days x 2.58 mkm (Moon orbital circumference at apogee) = 71 mkm
Why?
71 million km the Earth needs daily to produce c velocity relative to the sun
Because the time is 237 seconds

\[
\text{(17 million km /237 seconds)} = C \text{ velocity}
\]

The previous data tells us that
The moon transport that energy =71 million km to the earth during 29.53 days but the Earth consumes this energy in 27.3 days, and that means the difference will be the starting part for next month
This meaning we discussed in previous paper “Earth moves with light velocity relative to the sun”
5-3 The motions Frames

Let’s explain each planet frame

- **The moon moves in different frame from the Earth frame (we learnt that from 5-2-2 the moon actual daily motion)**
- This conclusion depends on the calculation where we found that 2.41 million km (moon motion daily) must be equal 2.58 mkm (Earth motion daily). How that? Because we measure this distance through Lorentz contraction- which causes contraction with percentage 7.5% so 2.41 mkm actually = 2.58mkm but we measure wrongly…
  - That prove “there’s more than one frame in the solar group, that’s why we see the Lorentz contraction phenomenon”

- This case is repeated with Mars because Mars Axial Tilt 25.2 with contraction 7.5% will be 23.5 degrees Earth Axial Tilt …
  - i.e. Mars Axial Tilt = Earth Axial Tilt, but the difference in measurement is made by Lorentz contraction phenomenon..
  - That proves there’s interaction between Mars and Earth Motions and also prove that there’s more than one frame in the solar group.

So I may conclude
- Mars And Moon Are In The Same Frame
That’s the reason for next equations

(1)
13.18 degrees (moon motion degrees daily) x 1.9 (Mars Orbital inclination) = 25.2 Mars Axial Tilt
(2)
365.25 days = (Mars day/ Earth day) x 354.36 days
(Mars depends on 354.36 – moon year- but Earth depends on 365.25 – sidereal year)

Note / Mercury and Jupiter are found in the same frame with moon and Mars

**General Conclusion**
- Earth and Mars has interaction between their motions, but they are found in 2 different frames
- Moon and Mars has interaction between their motions, and they are found in the same frame
6- Mars, Earth and Moon Motions Interaction

To start our discussion here we need to take a look on Mars effect on the solar group

6-1 Mars Effect in the Solar Group

6-1-1 Mars Axial Tilt
Mars is exceptional Planet in the solar group planets… I may prove that here
Through Kepler third Law using for the solar group planets we find some interesting information as following

\[ P^2 \times 25 = d^3 \]

Where
- \( P \) : The Planet orbital period
- \( d \) : The Planet orbital distance
- \( 25 \): Mars Axial Tilt

The results are shown in the following table

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

Kepler 3\textsuperscript{rd} Law Discussion

I- The Table explanation
- Mars Axial Tilt = 25.2 Degrees (the table constant)
- The previous table uses directly Kepler 3\textsuperscript{rd} 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
- The Previous table tells us that, Mars is specific Planet in the Solar Group and Not common one…

For Mars full discussion please read
Solar Planets Order disproves the Gravity Theory
http://vixra.org/abs/1801.0114

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6-1-2 Mars Orbital Inclination
(1.9 degree is Mars orbital inclination)

\[
\frac{\text{Earth Diameter}}{\text{Mars Diameter}} = \frac{\text{Mars Diameter}}{\text{Moon Diameter}} = \frac{\text{Venus Diameter}}{\text{Earth Raduis}} = 1.9 \text{ (Mars Orbital Inclination)}
\]

(Max Error 2.8%)

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

(Max Error 1.6 %)

\[
\frac{\text{Mercury Saturn Distance}}{\text{Mercury Jupiter Distance}} = 1.9
\]

General Comments
We can see that Mars is real effective on many data in the solar group

But
We should focus on our question here more than any other information
How Earth, Mars and Moon motions get interaction which causes the Earth 4-years Cycle

Let's discuss that in following…
6-2 Mars Earth Motions Interaction

6-2-1 Earth and Mars Axial Tilts

Earth Axial Tilt (23.45) = Mars Axial Tilt (25.2)

The Difference = 7.5%

This difference is caused by Lorentz contraction phenomenon where Mars and Earth are found in 2 different frames.

6-2-2 Earth and Mars Interaction

1461 days = 1.9 (Mars Orbital Inclination) x 778.6 mkm (Jupiter Orbital Distance)

The previous Equation is the basic one, which will explains this interaction.

Let's summarize how this Equation works:

- Jupiter is found in another frame relative to the Earth, means his distance will be shown as period for the Earth...
- Jupiter Orbital Distance suffers from Lorentz contraction 7.5%, so the result will be 730 million km
- Mercury Jupiter distance = 720.3 million km (error 1.4%)

i.e.
- The distance 778.2 mkm = 730 mkm… but each of both is found in another frame
- 730 = 365 x 2
- Why the Cycle 4 x 365.25 days = 1461 days?
- Because Mercury Jupiter distance is found in one side (radius) of the motion, and the complete cycle needs a diameter to perform 360 degrees
- i.e. the complete Cycle needs 2 x 730 = 4 x 365.25 = 1461 days
- this energy (1461) will be loaded on Mercury in four parts, each one = 365.25, this value is seen as Mercury Orbital circumference (365.25 million km) because Mercury in another frame, but this energy is transported to the Earth in period form 365.25 x 4 = 1461 days.
6-3 Mars Moon Motions Interaction

The Basic Equations

- Mars Orbital Period 687 days = Moon Orbital Period 27.32 days * 25.2 degrees (Mars Axial Tilt) (no error)

- 25.2 degrees (Mars Axial Tilt) = (1.9 degree is Mars orbital inclination) * 13.18 degrees (Moon Motion daily degrees) (error 1%

The equations tells us, that Mars and Moon are found in the same frame
But the Earth is found in another frame

For that reason
Mars defines the Earth orbital distance as following
227.9 mkm (Mars Orbital distance) (Π+1) = 944 mkm (1)
(Earth Orbital Circumference = 940 mkm – no error)
Also Mars defines Earth Orbital Period as following

(Mars Day 24.7/Earth Day 24)* 354.36 days= 364.7 days (Earth Orbital Period365.25) (2)

That tells us Mars and Moon are in the same frame
But the Earth in another one

Also we find that

\[
\frac{\text{Earth Orbital Distance}}{\text{Earth Velocity}} = \frac{\text{Mars Venus Distance}}{\text{Mars Velocity}} = \frac{\text{Moon Orbital Distance (at solar eclipse)}}{\text{Earth Raduis}} = 58
\] (3)
Appendix No1. The Planets alignment in December 2012
(I called: The Egyptian Astronomic Phenomenon 2737)

1- Introduction
On 3rd December 2012 aligned 3 planets (Mercury, Venus and Saturn) on the three Great Pyramids heads in Egypt, the Phenomenon repeated just once each 2737 years.
I called this phenomenon
"The 2737 Egyptian Astronomic Phenomenon"
In this paper I present the proof that the 2737 Egyptian Phenomenon Cycle depends on the Moon Metonic Cycle!
And then in the 3rd Chapter I'll discuss how the three planets (Mercury, Venus and Saturn) depend on the Earth-moon orbit in their motions!
In this introduction I'll refer just to some interests we got by the 2737 Egyptian phenomenon.

Some interests we got by 2737 Egyptian phenomenon:

- **First** we know that the Pyramids builders recognized the different astronomic cycles, and especially 2737 phenomenon, for that they built just 3 pyramids at its parallel line.

- **Second**, we know that the Pyramids builders knew the relative distances between the planets and built the pyramids at their rates!

- **Third** where the 2737 phenomenon repeated on 3rd December 2012 for the third time, so the Number 8211 years is important number for human life or at least for the pyramids age.

- **Fourth**, I may claim that the Pyramids builders built the three Pyramids specifically for the 2737 Egyptian phenomenon.

- **Note**: The Great Pyramid Height is 5776 Egyptian inches = the distance between the Sun & Pluto (each inch = 1 million kilometer)
1ST SECTION

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

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

We see the 32 Sidereal year a cycle = 11688 days
But the Lunar year cycle =33 years - 5.81 days =11693.88-5.8= 11688
And why there's this addition 5.81 days to prevent both periods to meet each other

We know that the plane of lunar orbit regresses 19 degrees each year that causes the eclipse to come early 19 days each year²
So that said the movement of 19 degrees causes change for 19 days
And now we see the lunar year come early 5.81 days, and the lunar plane has inclination to ecliptic equal approximately 5.14 degrees…

Can I suppose that this difference between Sidereal Cycle 11688 days and Lunar Cycle 11693.88 days which equals 5.8 days caused by the lunar plane inclination 5.14 degrees (later we will discuss How?) When we divided this inclination value 5.14 degrees (or the period 5.8 days) at 360 we find that,
The Lunar orbital inclination causes the lunar Synodic day to come early approximately 21 minutes daily..

That lead to the following results
- The correct Synodic month is 29.515
- The correct Synodic year is 354.1818 days And by such way

The lunar cycle which contain 33 Synodic year = 11687.999days
The Sidereal Cycles which contain 32 sidereal year = 11688 days

Where both come to end in the same day
And So the cycle of 32 sidereal years equals 33 modified Lunar Synodic years (modified lunar year = 354.1818 days) perfectly

¹ - the day defines here approximately 86164 seconds where the sidereal year is 365.25 days.
² - Total Solar Eclipses and how to Observe them- Martin Mobberley- page. 11

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2ND SECTION

The Basic Lunar Year 360 Days

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

But there's another year related to the moon,

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

So 5.8 + 354.1818 = 360 days approximately

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

The Basic Lunar Year

Now we have three types of years

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

And we'll see how the Metonic Cycle effect on each of them
### 3RD SECTION

**The 2737 Egyptian Astronomic Phenomenon depends on Metonic Cycle**

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

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

<table>
<thead>
<tr>
<th>M. Cycle Number</th>
<th>Sidereal years No. (365.25 days)</th>
<th>Number of modified Lunar year (equals 354.1818 days)</th>
<th>The Lunar years (354.1818 days) Numbers For each Metonic Cycle</th>
<th>The Basic lunar Year Numbers (360 days) For each Metonic Cycle</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Cycle 1</td>
<td>19 S. Year</td>
<td>19 Lunar Y. + 210.295 days</td>
<td>19 BLY (Basic Lunar Year) + 99.75(days)</td>
<td></td>
</tr>
<tr>
<td>M. Cycle 2</td>
<td>38 S. Y</td>
<td>38 L. Y. +420.59 = 39 L. Y + 66.408 d</td>
<td>38 BLY+ 199.5 d</td>
<td></td>
</tr>
<tr>
<td>M. Cycle 3</td>
<td>57 S. Y</td>
<td>58 L. Y + 276.703 d</td>
<td>57 BLY+ 299.25d</td>
<td></td>
</tr>
<tr>
<td>M. Cycle 4</td>
<td>76 S. Y</td>
<td>77 L. Y +486.998 d = 78 L. Y +132.8162 d</td>
<td>76 BLY+399d = 77 BLY+39days</td>
<td></td>
</tr>
<tr>
<td>M. Cycle 5</td>
<td>95 S. Y</td>
<td>97 L. Y + 343.111d</td>
<td>96 BLY+138.75d</td>
<td></td>
</tr>
<tr>
<td>M. Cycle 6</td>
<td>114 S. Y</td>
<td>116 L. Y +553.406d = 117 L. Y + 199.224d</td>
<td>115 BLY+ 238.5d</td>
<td></td>
</tr>
<tr>
<td>M. Cycle 7</td>
<td>133 S. Y</td>
<td>136 L. Y +409.519d = 137 L. Y + 55.3374d</td>
<td>134BLY+ 338.25d</td>
<td></td>
</tr>
<tr>
<td>M. Cycle 8</td>
<td>152 S. Y</td>
<td>156 L. Y +265.632d</td>
<td>153 BLY+438d = 154 BLY+78days</td>
<td></td>
</tr>
<tr>
<td>M. Cycle 9</td>
<td>171 S. Y</td>
<td>175 L. Y +475.9274d = 176 L. Y + 121.745d</td>
<td>173 BLY+ 17.75d</td>
<td></td>
</tr>
<tr>
<td>M. Cycle 10</td>
<td>190 S. Y</td>
<td>195 L. Y + 323.0406d</td>
<td>192 BLY+ 277.5d</td>
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<tr>
<td>M. Cycle 11</td>
<td>209 S. Y</td>
<td>214L.Y +542.3356d= 215 L. Y +188.1538d</td>
<td>211 BLY+ 37.25d = 212 BLY+ 17.25d</td>
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<tr>
<td>M. Cycle 12</td>
<td>228 S. Y</td>
<td>234 L. Y +398.4488d= 235 L. Y +44.267d</td>
<td>231 BLY+117d</td>
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<tr>
<td>M. Cycle 13</td>
<td>247 S. Y</td>
<td>254 L. Y + 254.652d</td>
<td>250BLY+ 216.75d</td>
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<td>M. Cycle 14</td>
<td>266 S. Y</td>
<td>273 L. Y +464.857d= 274 L. Y + 110.675d</td>
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<tr>
<td>M. Cycle 15</td>
<td>285 S. Y</td>
<td>293 L. Y +320.9702d</td>
<td>288 BLY+416.25d= 289 BLY+56.25d</td>
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<td>M. Cycle 16</td>
<td>304 S. Y</td>
<td>321L.Y +531.2653d= 313 L. Y + 17.0834d</td>
<td>308 BLY+156d</td>
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<td>M. Cycle 17</td>
<td>323 S. Y</td>
<td>332 L. Y +387.378d= 333 L. Y + 33.1966d</td>
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<td>M. Cycle 18</td>
<td>342 S. Y</td>
<td>352L.Y+ 243.4916d</td>
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<td>M. Cycle 19</td>
<td>361 S. Y</td>
<td>371L.Y +453.7866d= 372 L. Y + 99.60486d</td>
<td>365 BLY+455.25d= 366 BLY+ 95.25d</td>
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<tr>
<td>M. Cycle 20</td>
<td>380 S. Y</td>
<td>391 L. Y + 309.8992d</td>
<td>385 BLY+195d</td>
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<tr>
<td>M. Cycle 21</td>
<td>399 S. Y</td>
<td>410 L. Y + 520.1948d= 411 L. Y +166.013d</td>
<td>404 BLY+294.75 d</td>
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<tr>
<td>M. Cycle 22</td>
<td>418 S. Y</td>
<td>430 L. Y +376.308d= 431 L. Y +22.1262d</td>
<td>423 BLY+394.5d= 424 BLY+ 34.25d</td>
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<td>M. Cycle 23</td>
<td>437 S. Y</td>
<td>450 L. Y + 232.4212d</td>
<td>443 BLY+ 134.25d</td>
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<td>M. Cycle 24</td>
<td>456 S. Y</td>
<td>469 L. Y +442.7162d= 470 L. Y + 88.5344d</td>
<td>462 BLY+ 234d</td>
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<td>M. Cycle 25</td>
<td>475 S. Y</td>
<td>489 L. Y +298.829d</td>
<td>481 BLY+ 333.75d</td>
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<td>M. Cycle 26</td>
<td>494 S. Y</td>
<td>508 L. Y + 509.1244d= 509 L. Y + 154.9426d</td>
<td>500 BLY+433.5d= 501 BLY+ 73.5d</td>
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<tr>
<td>M. Cycle 27</td>
<td>513 S. Y</td>
<td>528 L. Y +365.2376d=</td>
<td>520 BLY+173.25d</td>
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</tbody>
</table>

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

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

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Gerges Francis Tawadrous/
2nd Course student – physics Faculty – People's Friendship University – Moscow – Russia.
The Previous Table Study classified into 2 parts

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

1- **Each 32 Metonic Cycles** the last day of modified lunar year (equals 354.1818 days) corresponds with the last day of Metonic cycle which is the Sidereal Year last day where the lunar modified years equal 627 lunar years that equals 608 sidereal years perfectly.

2- The difference days between the Modified lunar year with the Metonic Cycle moves in Cycle and decreases as following (66.4 - 55.33 - 44.26 - 33.19 - 22.126 - 11.0558 – 0.00 days) at 98 years interval (98 modified Lunar years – which equals 354.1818 days)

3- The modified Lunar years number for each Metonic Cycle shown in the table, and I found the following Modified Lunar Year order "19-20-19-20-19-20" repeats once with each Cycle consist of 627 modified Lunar year
   a. That means with the last day of the Metonic Cycle No. 32 which equals 608 Sidereal Years but equals 627 Modified lunar year. after this Cycle ends, and starts the new one the modified lunar year order 19-20-19-20-19-20 will repeat once again as a mark for the new Cycle starting (this order in table marks by Gray color)
   b. We can call the Metonic Cycle no. 32 a Cycle for the modified Lunar year with the Metonic Cycle (this Cycle in Table remarked by Yellow)

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

1- We see in the table the day common fractions spread through the cycles but these fractions unify to be one day each 4th Metonic Cycle which equals 76 Sidereal years (that similar to the Sidereal Year, 3 years equals 365 days and the 4th year is 366 days)…..

2- but after 4th Metonic Cycle the last day of Basic Lunar year (which equals 360 days) doesn't correspond the last day of the Metonic Cycle because there are 39 days addition to the Basic Lunar years (means 76 Sidereal years = 77 Basic Lunar Years +39 days). And with the following cycles this number increases regularly by addition 39 days each 76 Sidereal years. (so after more 76 years we finds at the 8th Metonic Cycle 154 Basic Lunar Year + 78 days…. And that continues)

3- But at Metonic Cycle No. 40th which equals 760 Sidereal Years we find this number equals 771 Basic Lunar years + 29 days, and that means the rest days **decreased**
from 39 days to be 29 days during period (760 Sidereal Years - 76 Sidereal years = 684 years) and this is the difference between the Metonic Cycle No. 4 and Metonic Cycle No. 40...and all that says... EACH 684 SIDEREAL YEARS, THE REST DAYS DECREASE 10 DAYS

4- Now we know that 39 days prevented the basic lunar year to end in the same day with the 4th Metonic Cycle, and we know this period 39 days decreases by 10 days each 684 sidereal years, and that means we need four Cycles which will decrease the 39 days to be (-1 day) which is the most near to the metonic Cycle.

5- Now we need 4 Cycles of the period 684 years where These 4 Cycles Equals 2736 Sidereal Years

6- And based on that the 2736 Phenomenon was a Metonic Cycle and this period was needed to Correspond the Basic Lunar year with the last day of Metonic Cycle (the Basic Lunar Year equals 360 days – the bible year which no one considers in modern life)

7- Now we saw 39 days which found in Metonic Cycle No. 4, have decreased as (10/10/10/9) at interval 684 Sidereal years for each 10 days, by that we found the 2737 Egyptian phenomenon for which we researched,

8- But still there are two questions, first about the number because we got the Cycle of 2736 Sidereal Years and not 2737 Sidereal Years, and the second question about the last day we need because 39 equals (10/10/10/9) and the decreasing EACH 684 years equals 10 days and that means the last cycle will have -1 day

We still have 2 question to answer respectively

The First Question
says we got relation to the Cycle 2736 Sidereal years and not to 2737 Sidereal years phenomenon?
And how 2736 Cycle related to 2737 Cycle?
the answer
As we know Metonic Cycle is 6939.75days
We know Saros Cycle is 6585.35 days
And the difference between both is 354.2 days
Which equals a modified lunar year approximately.
While Metonic Cycle connected to Saros Cycle completely because the Metonic Cycle is The lunar Orbit Cycle and Saroc Cycle is The Eclipse Cycles that made by the Moon itself.. all that say to us, there's great connection between both Cycles..

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

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

So Both connected with Great Relation

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

The Second question about the minus day

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

So each 2736 Sidereal years we have -1 day

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

A comment on

The Egyptian Astronomic Phenomenon 2737

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

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

AUTHOR CURRICULUM VITAE

Freelance Translator

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  mrwaheid1@yahoo.com

- Address : 11 Mohmed Rageb St – madenet El Saada
  El Materiya – Cairo – Egypt

EDUCATION
- Moscow -Russia –Peoples Friendship University Of Russia –Since 2009 Till 2013 –Faculty Of Science.
- Goethe institute - Cairo – 2001 to 2007
- Ain Shams University - Cairo- Bachelor Degree Of Commerce -2000

LANGUAGES
I provide the following translation
- English into Arabic and vice versa
- Russian into Arabic
- German into Arabic

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

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

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

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

BEST REGARDS

Gerges Francis Tawadrous/
2nd Course student – physics Faculty – People’s Friendship University – Moscow –Russia..

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Фамилия, имя, отчество
Гергес Фрэнсис Тавадрус Гергес

Дата рождения 09 октября 1974 года

Предыдущий документ об образовании
Сертификат о полном среднем образовании, 1994 год, Египет

Вступительные испытания прошли

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 выполнил

Дополнительные кандидатские диссертации

Продолжение см. на обороте

Документ совместной комиссией

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Фамилия, имя, отчество

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2nd Course student – physics Faculty – People's Friendship University – Moscow – Russia.
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Государственное образовательное учреждение высшего профессионального образования “Нижегородский государственный университет им. Н.И. Лобачевского”

ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ОБРАЗОВАНИЮ

Гергес Фрэнсис Тавдрос Гергес
(Gorges Francis Tawdrous Gerges)

Египет, 09.10.74.

Успешно завершил(a) курс преддипломной подготовки

Документ об образовании, подтверждающий право поступления в высшее учебное заведение:
Сертификат о законченном полном среднем образовании

Поступил(a) на подготовительное отделение факультета иностранных студентов

Завершил(a) обучение

23. 11. 2007 г.

РЕЗУЛЬТАТЫ ПРЕДДИПЛОМНОГО ОБРАЗОВАНИЯ

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

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<td>6. Культура речи</td>
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Ректор

Г. Нижний Новгород

Зам. декана

Федеральная служба по надзору в сфере образования и науки

рег. № 0772  "24" июня 2008 г.
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Author Other Papers

I- The Holy Bible Studies
The Tabernacle Geometrical Structure

II- The Physics & Astronomy Studies
Solar Group General Description.doc
http://vixra.org/abs/1802.0075

Why The Light Is The Universe Highest Velocity?
http://vixra.org/abs/1801.0369

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