

Why Earth moves Daily A Distance = The Moon Orbit Circumference?

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Abstract

The Moon Orbit Data shows **A Geometrical Structure** more complex than the Current theories can explain ... Let's refer to it in following:

- *Perigee Radius (R1) = Earth Moon Distance = 363000 km (Earth Nearest Point)*
- *Eclipse Radius (R2) = Earth Moon Distance = 377000km (Total Solar Eclipse Point)*
- *Average Radius (R3) = Earth Moon Distance = 384000 km (Registered Value)*
- *Apogee Radius (R4) =Earth Moon Distance = 406000km (The Most Far Point)*

Earth Daily Motion 2.58 mkm = The Moon Orbit Circumference at apogee (R4)..why?

The Data

- I. Earth Moon Distance at Perigee Point = The Outer Planets Diameters Total
- II. Earth Moon Distance at Apogee Point = **The Solar Planets Diameters Total**
- III. The Distance Between Perigee & Apogee Points = the inner planets Diameters total = Earth Circumference
- IV. Earth Moon Distance (At Total Solar Eclipse Radius) = **Saturn Circumference.**
- V. **The Solar Planets Diameters Total = Saturn Diameter +2 Jupiter Diameters**

The Moon Orbit Main Points:

(Perigee - Solar Eclipse – Average- Apogee)

These points are defined based on the following geometrical rules:

- | | | |
|---------------------------------|--|------------------------|
| 1- (1st Rule) | $R_n^2 + (86000\text{km})^2 = R_{n+1}^2$ | (Pythagoras Rule) |
| 2- (2nd Rule) | $"2\pi R_n = (1/R_{n+1})"$ | (Reflective Values) |
| 3- (3rd Rule) | $"(2\pi R_{n+1}/ 2\pi R_n) = 1.0725"$ | (Relativities Effects) |

(We should prove these rules in this paper)

The Conclusions

1- *The Gravity Force Can't Create The Moon Orbit*

- 2- The Space is A Geometrical Player In The Solar Group Geometry
- 3- There are relativistic effects in the solar Group
- 4- The Relativistic effects cause geometrical rules control the general geometrical structure (i.e. the higher velocity creates specific form for the space in which it travels)

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1- Introduction

I have tried frequently to solve this question why Earth daily motion distance = the moon orbit circumferencelet's try here one more time...

- Earth and Moon move by equal velocities - Otherwise they should be separated from Each other- if the situation is such so the moon should be seen as a bright stationary point in the Earth Sky ...and No changes the moon will show But this is Unreal....why? let's try to analyze the actual data....
- We have 2 equal distances – Earth Daily Motion Distance (d) and the moon Orbit Circumference (C) now $d = C$...Note Please d is almost a straight line trajectory but C is a curved one (Circumference)... !

How that can be occurred..?

- It's Einstein experiment... he had left the rock to be dropped from the moving train – and he had seen the rock falling trajectory as a straight line but this same trajectory is seen by People standing on the train platform as a curved trajectory.... We have a similar case here... we see the Earth Motion Distance as a straight line Trajectory but the moon Circumference as a curved one...

What conclusion we may reach here?

- We move with Earth by the same velocity (So Earth is Static for Us) but there's some difference in velocities between Earth and moon motions which causes the straight trajectory to be seen as a curved one....easy idea but unacceptable! Why? Because if there's a difference in Earth and Moon velocities that will cause the separation between each other...! they aren't separated ..so No difference in Velocity ...and No straight trajectory will be seen as a curved one

There's one solution for this dilemma....

- Earth and Moon Velocities difference is found in some stage in their motions course and this difference will cause the straight line trajectory to be a curved one and then this difference is compensated later to enable the moon to reach to the Earth and prevent their separation...

How this idea can work really? let's see that as deeply as possible...

- I have suggested that there are relativistic effects in the solar group – where the length contraction phenomenon causes the rate 1.0725....

Let's tell the story in following...

- Earth Daily motion = 2.58 mkm Moon Should move by this distance also
- Moon Daily motion = 2.58 mkm but because there are relativistic effects between The Earth and Moon so ... $2.58 \text{ mkm} = 1.0725 \times 2.41 \text{ mkm}$
- That means ..The Moon Daily motion in fact 2.41 mkm ... now there's a difference in velocities between Earth and Moon Motions **which causes the straight line trajectory to be seen as a curved one...**
- The required distance 0.17 mkm is provided by Mars Effect On The Moon Motion Trajectory- which enable the Moon to reach to Earth Again and prevent their separation...
- Mars Effect on the Moon Motion explain the Harmony between Mars and the Moon Data which we have noticed before.

But

- The relativistic effects cause geometrical effects and rules to control the solar group motions....

That means..

- The geometrical rules to which I have referred in the abstract in addition to many other geometrical rules all of them are found for geometrical necessity created by the relativistic effects... which causes a great extension for Special Theory of Relativity and provide many new fields for astrophysics research..

This claim we should discuss deeply in this paper

The Paper Contents

- | | |
|--|-------------|
| - Research Methodology | Point No. 2 |
| - The Moon Orbit Geometrical Structure | Point No. 3 |
| - The Definitions (the relativistic effects) | Point No. 4 |
| - Mars Effect on the Moon Motion | Point No. 5 |

2-Methodology

- I use NASA Planetary Fact Sheet (found in last page of this paper)
- I analyze the solar planet data to see the geometrical rules and concepts on which this data is created....
- As in Pythagoras rule ($a^2 = b^2 + c^2$) if we have a right triangle its dimensions are 3,4 and 5 – so by analyzing the values 3,4 and 5 we may reach to Pythagoras rule – that's why I analyze the solar planets data....

Let's use one example for better explanation....

How the solar planet orbital distance is defined? By gravitation equation (m/r^2)

Let's analyze this answer in following....

(1)

- The inner planets order (Mercury – Venus – Earth) shows that there's some relationship between the planet diameter (and mass) with their orbital distance, means **Greater Diameter (And Mass) Needs Greater Orbital Distance** ...

(2)

- The outer planets order (Jupiter- Saturn- Uranus- Neptune – Pluto) tells that the rule is reversed where **Greater Diameter needs Shorter orbital Distance** But.... The order depends on diameter and NOT Mass because Uranus Diameter is greater than Neptune where Neptune Mass is greater than Uranus..

(3)

- So there's a relationship between the planet diameter and his orbital distance and this relationship is reversed after Mars for some reason- (where the Data can't support the relationship between the planet mass and orbital distance which disprove the gravity concept)

When we have asked this question... the answer was because of the "**Initial Points**"

But we couldn't accept this answer...because

- The inner planets and outer planets orders provide 2 different forms for the same rule means all planets order provide a clear proof that there's a relationship between the planet diameter and orbital distance (and disproves the relationship between the planet mass and orbital distance)
- The rule reversal is done with Mars which provide an important question need to be discussed in more researches about Mars position evaluation...

3- The Moon Orbit Geometrical Structure

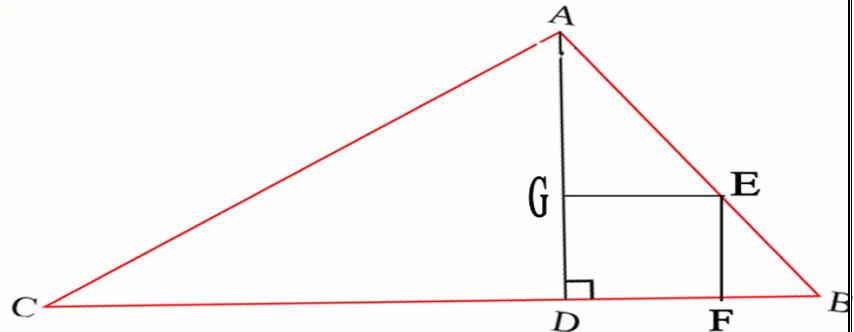
3-1 Moon Orbit Triangle

3-2 Moon Orbit Radiuses Rules

3-1 Moon Orbit Triangle

3-1-1 The Triangle

I-Data



Let's suppose **C** is Earth

- $AB = 120536 \text{ km} (= \text{Saturn diameter})$
- $CB = 449000 \text{ km} (= \text{Jupiter Circumference})$
- $AC = 373000 \text{ km} (= \text{Saturn Circumference}) = 373000 \text{ km} = (\text{Earth Moon Distance when the moon at solar eclipse radius})$

Details of CB

- $CD = 363000 \text{ km} = (\text{Earth Moon Distance when the moon at perigee point})$
- $CF = 406000 \text{ km} = (\text{Earth Moon Distance when the moon at apogee point})$
- $DF = FB = 43000 \text{ km}$ (distance between perigee and apogee)
- AD is Perpendicular on the base CB where $AD = DB = 86000 \text{ km}$
- $EF = GD = 43000 \text{ km}$ ($DFEG$ is a square its dimension $= 43000 \text{ km}$)
- EF is perpendicular on the base, so the angle $(BEF) = 45$ degrees.

All previous dimensions are found based on Pythagoras rule ...also.

- A angle = 121.67 degrees
- C angle = 13.33 degrees
- B angle = 45 degrees

$$\frac{\text{Jupiter diameter}}{\text{Saturn diameter}} = \frac{142984 \text{ km}}{120536 \text{ km}} = \frac{2\pi}{2\pi - 1}$$

II- Discussion

- The Previous Data is Puzzled Data – simply we have no any idea or rule to explain it– why? The answer is easy but causes shock... **because we have no definitions...** What's the matter? How the matter is created? Why some planet diameter has a rate with other plant diameter? The eclipse phenomenon is created because (the rate between the moon and sun diameters = their distances rate to Earth) because of this rate **We See The Sun Disc= The Moon Disc** which enables the total solar eclipse to be occurred....So why such rates are found? the current theory provides no help here..... So we have to depend on our diligence...let's discuss the moon orbit radiuses rules which may provide us with better vision about the moon orbit geometrical structure... but before let's improve the previous Data vision with the following table...

3-1-2 Earth Circumference Table

I -Data

Table No.1 "The Solar Planets Diameters Total Relationship With The Moon Orbit"		
If Earth diameter = 12756 km, is considered to be = 1		
i.e. The Earth Circumference which = 40080 km, will be just =Π		
So The Following Is Correct	Error	
❖ Earth Circumference = Π	-	
❖ Solar Inner Planets diameter total = Π	-	
❖ Moon motion free space (from perigee to apogee) = Π (the free space without the moon diameter)	1.3%	
❖ Moon Perigee orbit radius = 9 Π	-	
❖ Solar outer planets diameters total = 9 Π	-	
❖ Moon orbit apogee radius = 10 Π	1.2	
❖ All solar planets diameters total = 10 Π	1	
❖ 2 Jupiter diameter + Saturn diameter = 10 Π	-	
❖ Saturn Circumference = 9.5Π	-	
= Moon orbit radius at total solar eclipse		
❖ Jupiter Circumference = 11 Π	1.9	
❖ The Sun diameter = 11 Π²	1.2	

II –Discussion

The previous table tries only to improve this vision which we have learnt from the moon orbit triangle...

I wish I explain my idea as clear as possible.... The moon orbital geometrical structure is found – in fact – based on rules beyond the current theories capacities for explanation...

Now let's see the moon orbit radiiuses in following...

3-2 Moon Orbit Radiiuses Rules

3-2-1 <u>(1st Rule)</u>	$"R_n^2 + (86000\text{km})^2 = R_{n+1}^2"$	(Pythagoras Rule)
3-2-2 <u>(2nd Rule)</u>	$"2\pi R_n = (1/R_{n+1})"$	(Reflective Values)
3-2-3 <u>(3rd Rule)</u>	$"(2\pi R_{n+1}/ 2\pi R_n) = 1.0725"$	(Relativities Effects)

Let's start with the first rule

3-2-1 (1st Rule) "R_n² + (86000km)² = R_{n+1}²" (Pythagoras Rule)

I-Data

- 1) **(363000 km** = moon orbital radius "At Perigee Point")
- 2) $(86000 \text{ km})^2 + (363000 \text{ km})^2$ (perigee radius) $= (373000 \text{ km})^2$
(377000 km = total solar eclipse radius error 1%)
- 3) $(86000 \text{ km})^2 + (373000 \text{ km})^2 = (384000 \text{ km})^2$
(384000 km = moon orbital average radius "registered in Nasa Fact sheet")
- 4) $2x (86000 \text{ km})^2 + (384000)^2 = (403000 \text{ km})^2$
(406000 km = moon orbital radius "at apogee point")

II- Discussion

The moon motion main points are defined clearly based on Pythagoras rule (Perigee – Total Solar Eclipse - Average Orbital Radius – Apogee) radiiuses....Why?

I have tried frequently to explain that, the planet motion depends on geometrical structure

It's not the gravity which pushes the planet to move....but the geometrical structure which created the planet matter and orbital distance, defined also the planet motion.. That's why the moon motion main points are defined by geometrical rules.... These geometrical rules are found with the original energy from which the planet matter and space were created... so when the moon and his orbital distance are created both created based on these geometrical rules which discuss here...

Why we use the value 86000km?

The moon free space (distance from perigee to apogee) = 43000 km and this value is the double value $43000 \times 2 = 86000\text{km}$...but why we use it? this value is found clearly in the moon orbit triangle... please review itI want to say that... this value 43000km is found because of **A Geometrical Necessity** and based on this geometrical necessity the moon is prisoner in his motion between perigee and apogee points, again Not the gravity...!It's the geometrical structure which create the motion

Conclusion:

The previous equations tell that the main 4 points on the moon orbit are defined basically by Pythagoras rule...

3-2-2 (2nd Rule)

" $2\pi R_n = (1/R_{n+1})"$

(Reflective Values)

I-Data

$$\text{Moon Orbital Circumference at } R_n \text{ (In million km)} = \frac{1}{\text{Moon Orbital Radius } R_n \text{ (In million km)}}$$

- $R_1 = 363000 \text{ km (Perigee Radius)} = 0.363 \text{ mkm}$ Circumference= 2.281 mkm
- $R_2 = 377000 \text{ km (Total Solar Radius)} = 0.377 \text{ mkm}$ Circumference= 2.41 mkm
- $R_3 = 384000 \text{ km (Moon Orbital Radius)} = 0.384 \text{ mkm}$ Circumference= 2.58 mkm
- $R_4 = 406000 \text{ km (Apogee Radius)} = 0.406 \text{ mkm}$ Circumference= 2.754 mkm

From the previous data we can conclude that, the rule is true

$$\begin{aligned} (1/0.363 \text{ mkm}) &= 2.754 \text{ mkm} \\ (1/0.377 \text{ mkm}) &= 2.63 \text{ mkm} \\ (1/0.384 \text{ mkm}) &= 2.58 \text{ mkm} \\ (1/0.406 \text{ mkm}) &= 2.41 \text{ mkm} \end{aligned}$$

II- Discussion

The previous data tells us that, the rule is performed correctly...

Specially the values 0.384 mkm and 0.406 mkm which show the rule perfectly....

$$\begin{aligned} (1/0.384 \text{ mkm}) &= 2.58 \text{ mkm} = 0.406 \text{ mkm} \times 2\pi \\ (1/0.406 \text{ mkm}) &= 2.41 \text{ mkm} = 0.384 \text{ mkm} \times 2\pi \end{aligned}$$

The other values are working also in the moon orbit but we need to extend our discussion to see that in better vision....we should do that in next points....

But here we have only one questionwhich is:

Why moon orbital circumference multiplies with moon orbital radius = 1mkm²?

Because

1million km²is the defined energy from which the moon orbital different radiuses are created.. it's similar to Neptune orbital distance... let's remember it here...

Neptune Orbital Distance = 4495.1 mkm =

$$\begin{aligned} &= 50.3 \text{ mkm (Mercury Venues distance)} \quad \times 91.9 \text{ mkm (Mercury Earth distance)} \\ &= 108.2 \text{ mkm (Venus orbital distance)} \quad \times 41.4 \text{ mkm (Venus Earth distance)} \\ &= 57.9 \text{ mkm (Mercury orbital distance)} \quad \times 78.3 \text{ mkm (Earth Mars Distance)} \end{aligned}$$

We have noticed that before and asked why any 2 inner distances multiplies produce the same value (Neptune orbital distance 4495.1mkm)?

The answer was because

- i. The distance is Energy
- ii. Neptune orbital distance is the energy source from which the inner planets created their orbital and internal distances...

For more details please review

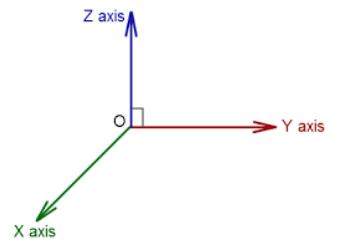
Solar Group Geometrical Structure <http://vixra.org/abs/1805.0081>

The question is the same....

Why multiplication of the moon orbital circumference with the moon orbital radius = 1million km²?

Because this 1 million km² is the source of Energy from which the moon orbital different radiuses are created..

In which direction this 1 mkm² is found?



xyz coordinates may help us to answer this question...the moon orbital radius is perpendicular on the moon orbital circumference tangent.. so let's suppose the radius is x and circumference tangent is y so... $x \cdot y = 1 \text{ mkm}^2$ why?

Because it's this "Z axis"

That means 1 million km² is perpendicular on the xy plain....what does that mean?

The moon orbit source of Energy is perpendicular on the moon orbit plain? Why?

Because this is the sent energy from Uranus to the moon by which the moon built his orbit and does his motion... Uranus is perpendicular on the moon orbit that's why the source of Energy is perpendicular on the moon orbit...

Let's remember this idea here..

Light (with c velocity) travels from Uranus to Jupiter in 6939.75 seconds, this motion produces the moon required Energy to rotates Metonic Cycle, so the energy is sent from Uranus to Jupiter to the moon orbit (Perpendicular on the orbit plain) to cause the moon motion based on the light motion but with different rate of time... so 1 send in light motion will be 1 day in the moon motion which produces Metonic Cycle 6939.75 days...

So Metonic Cycle is done because the moon orbit is built to perform it, that's why the moon orbit regresses 19 degrees yearly.

The Conclusion:

The Moon Orbital Diameter =1 mkm works In 3 Directions As xyz Coordinates..

Note please: from long time I have suggested that, the moon orbital diameter =1 mkm and not = 0.812 mkm This conclusion I have reach from the following equation:

108.2mkm (Venus orbital distance) x 0.384mkm (Moon orbital distance) = 41.4mkm²

41.4mkm = Venus Earth distance, but 41.4 mkm² is an Area? How to solve that?

If the moon orbital diameter = 1 million km, in this case I can claim that Venus Earth distance is 41.4 mkm in length and 1 million km breadth which makes it an area

Note Please

This Idea is So Complex I can't explain it here more to avoid the disturbance – but web should discuss it deeply with the point No. 5 (Mars Effect on the Moon Motion) So Please – if It's not clear yet – I wish the reader will bear with me a while till make this idea as clear as possible

I- Data

$$\frac{\text{Apogee Orbital Circumference}(r=0.406 \text{ mkm}) = 2.58 \text{ mkm}}{\text{Moon Orbital Circumference}(r=0.384 \text{ mkm}) = 2.41 \text{ mkm}} = 1.0725$$

$$\frac{\text{Moon Orbital Circumference}(r=0.384 \text{ mkm}) = 2.41 \text{ mkm}}{\text{Perigee Orbital Circumference}(r=0.363 \text{ mkm}) = 2.281 \text{ mkm}} = 1.0725$$

$$\frac{2.754 \text{ mkm}(r=0.439 \text{ mkm}) =}{\text{Apogee Orbital Circumference}(r=0.406 \text{ mkm}) = 2.58 \text{ mkm}} = 1.0725$$

II- Discussion

I have suggested that there are relativistic effects in the solar group

There Are Relativistic Effects In The Solar Group

<http://vixra.org/abs/1903.0565>

the Rate 1.0725 is found because of the lorentz length contraction effect
 let's explain that in following:

$$\frac{25.2 \text{ Mars axial tilt}}{23.4 \text{ Earth axial tilt}} = \frac{26.7 \text{ Saturn axial tilt}}{25.2 \text{ Mars axial tilt}} = \frac{28.3 \text{ Neptune axial tilt}}{26.7 \text{ Saturn axial tilt}} = 1.0725$$

28.3 degrees = Neptune axial tilt – we have discussed in previous point why Neptune is very important Planet (Specifically for the inner planets)- that's why Neptune axial tilt is the origin value here

28.3 degrees (Neptune Axial Tilt)- this value will be contracted by lorentz effect with a rate 1.0725 to produce 26.7 degrees (= Saturn Axial Tilt).

The value 26.7 degrees will be contracted to produce 25.2 degrees (Mars Axial Tilt)

Also 25.2 degrees will be contracted to produce 23.4 degrees (Earth Axial Tilt)

So

These 4 values are equal (28.3, 26.7, 25.2 and 23.4) or all of them are one value only where the difference found by Lorentz contraction effect using the same rate 1.0725 (the relativistic effects)

So

The moon orbit circumferences are rated to each other by relativistic effects

So $(2.58 \text{ mkm} / 2.41 \text{ mkm}) = 1.0725$ And also $(406000 \text{ km} / 377000 \text{ km}) = 1.0725$

That proves the relativistic effects which are found between Earth and Moon...

For more details about the relativistic effects in the solar group please review

Solar Group Geometrical Structure

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

4- The Definitions (The Relativistic Effects)

4-1 Preface

4-2 The Planet Motion Trajectory Is an ellipse ...Why?

4-1 Preface

The basic definitions absence should be our main difficultly to see clearly the solar group geometry...

For example..

Why The Planet Orbital Motion Trajectory Is An Ellipse?

What's the matter and how is created? This question is repeated frequently so the people easily remove it from any list.... It has a new category which is "unanswered question". By this new classification.. the question be killed and no one interests for!

$$\text{10921 km (Moon Circumference) } \times \text{ 86400 seconds (solar day) } = \text{ 940 mkm}$$

(940 mkm = Earth orbital Circumference)

What does the previous equation tells us?

If Earth revolves around the sun a complete revolution in one day only, so the moon circumference will equal a distance of **1 second** of Earth Motion...

Neither the previous equation nor the explanation have any value or effect should be taken into the current theory consideration- the numbers are found by pure coincidences-

That's what I'm trying to explain...

The current theory provides us with definitions & concepts should be kept by heart – No understanding is required here – How the moon circumference is created? It's unanswered question – and no one interests for... but the previous equation tells us there's some reason causes the moon circumference be in harmony in this Equation.. That's why our task is hard ... because we need to review each word is written in the physics book and to know why this word is written....

Let's provide another equation...

$$\text{3475 km (The Moon diameter) } \times \text{ 27.3 days (the moon orbital period) } = \text{ 300000km}$$

(300000 km = light motion for 1 second)

Once again one of the moon value has a relationship with the 1 second period...

Our difficulty is clear before every one...

The Solar Planet Data is created based on geometrical rules and these rules form the general geometrical structure by which the planet is created any move The current theory didn't analyze the planet data...she used the direct observation creating a very naïve and imaginary description for the solar group with many theories to support this description – now we try to examine every thing here and in each step we find the clear contradiction between the current theories and the solar planets data – but we face the difficulty because the theories are lived for centuries and who can change this situation? Any way the power is still in our hands...

Please Provide The Basic Definitions For The Astrophysics?

If the current theories can't do that this Task, So we should do that by ourselves...

4-2 The Planet Motion Trajectory Is An Ellipse ...Why?

We have discussed this idea before ...let's summarize it in following:

- The ellipse trajectory of Planet motion is produced by interaction of 2 forms of motions trajectory square and circular..!

i.e.

- **Ellipse Trajectory = Square trajectory + Circular trajectory**

What does that mean?

- The planet motion real trajectory is a square!
- This square we should see as circular because of Earth motion!
- The interaction between these 2 forms produces the ellipse (Kepler 1st Law is correct)

But

- If the direct observation shows the trajectory as an ellipse! based on what I claim about the square form??!

To see clearly as possible we have to answer 3 questions:

- 1- Why the planet motion trajectory is **A Square**?
- 2- Why we see the square trajectory as **Circular One**?
- 3- Why these 2 forms get interaction? Why the final trajectory isn't square or circular?

Let's start with question No.2

Why we see the square trajectory as Circular One?

The answer is so simple, we may remember the rock which Einstein have left to drop from the train... where Einstein saw the rock motion trajectory as straight line but the people on platform saw the rock motion trajectory as a curved trajectory...

So

Why the square is seen as circular?

Because of Earth Motion

Is this a sufficient answer? Of course Not! Why? Because of Earth motion velocity!

What's Earth velocity?

To see clearly as possible we need to discuss our old question....

How the matter is created?

The classical vision tells the matter is found regardless any other factor! Is it true..?

I have another vision to define the matter existence.... Let's summarize it:

- 1- The human mind contains electromagnetic waves (travel by c velocity)
- 2- I suppose The **Realization Process in human mind** depends **on c velocity**
- 3- Special Theory of Relativity tells us, if 2 observers travel with the same velocity (Even if both travel by light velocity, No difference in velocity is found), for that each of both will see the other as matter (particle) - but if there's a difference in velocity between 2 observers = light velocity, so each of them will see the other as light beam (wave)

- 4- In Young Experiment (Double Slit Experiment), the light coherence produces bright fringes and dark fringes
- 5- I claim that, the solar group is created by a coherence of 2 light beams
- 6- We see **The Bright Fringes** as **Matters** (because our mind realization process works by the light velocity by which bright fringes travel) (That's why we have body... our bodies are made of bright fringes but we see them as matters)
- 7- We see the dark fringes as distances or space (that's why the space is Energy)
- 8- This explains the planet diameter and orbital distance relationship. (Solar Planet Diameter Creation Rule <http://vixra.org/abs/1807.0190>)
- 9- This also explain why the planet move by a physical law and not in chaos... because the matter in the universe is created as An Effect Of The Human Mind On The Universe Around And The Human logic is the basic mirror between the observer and the universe.

Please review my paper

"Theory of Matter Creation" <http://vixra.org/abs/1812.0473>

If my theory is correct, that mean we see the light beam as matters

Based on that, we should ask

"What's Earth Real Velocity?"

Many physicists will refuse my previous argument

So

We need to take a look on Special Theory Of Relativitythe theory has told us

If a particle moves with light velocity, some changes may be occurred to it, such as ...

- Length Contraction
- Time Dilation
- Mass Increase

The question is...are these particle changes occurred really for the particle or for our vision only?And

Why these changes are found by higher velocity motion (light velocity)?

Because **light velocity** is one of the main factors of the **Human Realization Process**

That means, the human mind operation effects on the universe around

For Full Discussion Please Review

Why The Solar Planet Motion Trajectory is An Ellipse?(revised)

<http://vixra.org/abs/1902.0291>

5- Mars Effect on the Moon Motion

5-1 Neptune Orbital Circumference

5-2 Mars and Moon Relationships

5-1 Neptune Orbital Circumference

Let's tell the story in following

(1)

The difference between Jupiter and Pluto circumference $\times \pi = 100224\text{mkm}$

This value I have supposed as Energy and claimed it the solar group original energy

But

The original energy consist of double of this energy ($100224\text{ mkm} \times 2$)

Then

I have supposed that this energy is sent from Jupiter to Pluto...

But this energy is reflected by Neptune....!

How that's happened... let's see the data before

($2 \times 100224\text{ mkm}$) =

$$\begin{aligned} &= 28255\text{ mkm (Neptune orbital circumference)} \\ &+ \\ &= 2 \times (86400\text{ mkm}) \end{aligned}$$

So, from the original energy ($2 \times 100224\text{ mkm}$)

- Neptune Orbital Circumference (28255mkm) is created

And the reset energy is sent in 2equal parts

- (1st) Part is sent to Mercury with Energy = 86400 mkm
- (2nd) Part is sent to Venus and Earth with energy = 86400 mkm

(To prove that(Neptune Orb. Circum – Earth orb. Circum) $\times \pi = 86400\text{mkm}$

The previous equation can be used also for Venus with no serious error

SoMercury, Venus and Earth energies are sent from Jupiter to Pluto but these same energies are reflected by Neptune toward the inner planets...

We have discussed that clearly before in my paper

Solar Group Geometrical Structure <http://vixra.org/abs/1805.0081>

We have 2 important remarks here

- (1) **Neptune Should Be The Inner Planets Source** of Energy and that explain the previous data... let's remember them here again

Neptune Orbital Distance = 4495.1 mkm =

= 50.3mkm (Mercury Venues distance)	$\times 91.9\text{ mkm}$ (Mercury Earth distance)
= 108.2 mkm (Venus orbital distance)	$\times 41.4\text{mkm}$ (Venus Earth distance)
= 57.9 mkm (Mercury orbital distance)	$\times 78.3\text{ mkm}$ (Earth Mars Distance)

(2) There's NO Energy Is sent to Mars

Mars should reach to his energy by Neptune also as similar to the other inner planets..

1st Question

Why Mars isn't counted with the other inner planets?

Because Mars had immigrated from his original point at distance 84mkm from the sun and dwell in his new point at orbital distance = 227.9mkm so he becomes out of the energy trajectories... so no energy is sent to him from Neptune (by the ordinary trajectories)

2nd Question

How does Mars get his required Energy?

From the Moon Orbit....let's remember that in following:

- Neptune Velocity Daily = 0.4665 mkm
- Mars Velocity Daily = 2.082 mkm
- Moon Velocity Daily = 2.41 mkm
- Pluto Velocity Daily = 0.406 mkm

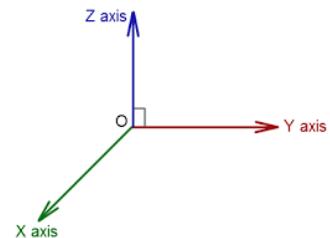
That means

Mars velocity daily x Neptune Velocity daily = 1 Mkm²

Similar to that

The Moon velocity daily x Pluto Velocity daily = 1 Mkm²

We should remember this value 1 Mkm² because we have discussed it before in the moon orbit geometrical structure



In rule No.2 (Page 8 in this paper) we have discussed it....

And I have suggested that the value 1 Mkm² is the z-axis - as in figure – where the value 1 Mkm² should be perpendicular on the moon orbit plain – and I have suggested that this value is the source of the moon orbit energy and this value also should be the source if Mars and Pluto Energy.... this is very important notice.. because Mars had immigrated and caused Pluto also to immigrate from his original point as (The Mercury Moon)- and because these 2 planets be out of the original Energy Trajectories- these 2 planets need specific trajectory to transport the energy from Neptune (and Uranus) to these 2 planets-

The trajectory is the moon orbit trajectory.... That explain why Mars velocity =(1/Nepune Velocity) ...and this relationship also control the moon with Pluto

(Please Note ...we try to explain the actual data – so we don't create ideas for no reason)

3rd Question

From where Mars receives his required Energy- because all energy sent from Jupiter is already consumed in Neptune orbital Circumference and the 2 energy trajectories toward mercury and toward Earth with Venus....

So from Where Neptune will send more Energy to mars through the Moon orbit (and this question also should be used for Pluto Energy)

3rd Question The Answer

Let's remember the solar group main equation

$$90000\text{mkm} = 86400\text{mkm} + 3600\text{mkm}$$

$$90000 \text{ mkm} = (0.3\text{mkm})^2$$

0.3mkm is a distance passed by light beam in 1 second...

The square of this value will be 90000 mkm

We know this equation where 86400 mkm is used as a distance but 3600mkm will be transformed into time value to become 3600 seconds

And

$$3600 \text{ seconds} \times 1.16 \text{ mkm/sec} (\text{light with supposed higher velocity}) = 2 \times 2088 \text{ mkm}$$

Where

2088 mkm = Jupiter Uranus Distance

We may remember that...

And we have discovered that.....

The light with the know velocity 0.3mkm/sec will pass the distance 2088 mkm during a period = 6939.75 seconds

But

We know that 6939.75 days is Metonic Cycle which the moon rotates during 19 years

And I have suggested that the moon motion followed the light motion but with a different rate of time

Means

1 second of the light motion will be 1 day of the moon motion...

And this relationship will be the method on which the required energy is transported from Neptune and Uranus to the moon orbit (the vertical 1 Mkm² - z axis) and from this energy the Moon Orbit, Mars And Pluto will receive their energies

For full details please review my previous paper

The Solar Group Main Equation

<http://vixra.org/abs/1809.0186>

5-2 Mars and Moon Relationships

I-Data

687 days (Mars Orbital Period) = 25.2 deg (Mars Axial Tilt) x 27.3 days (Moon orbital Period)

687 days (Mars Orbital Period) = 1.9 deg (Mars orbital inclination) x 365.25 days (Earth orbital Period)

25.2 degrees (Mars Axial Tilt) = 1.9 deg (Mars Orbital Inclination) x 13.18 deg (moon motion daily)

25.2 degrees (Mars Axial Tilt) = $(5.02)^2$ where 5.1 deg = Moon orbital inclination

II- More Data

Mars velocity daily 2.082mkm = 2 x 11.8 x 88000 km

(88000 km the moon daily displacement) – (11.8 deg = 5.1 deg moon orbital inclination + 6.7 deg Moon axial tilt)

Note Please

Moon daily motion = 2.58mkm = Earth daily motion ... and because of the relativistic effects (the rate 1.0725) this value 2.58 mkm because = 2.41 mkm

So the difference was $2.58 - 2.41 = \underline{0.17\text{mkm}}$

And this difference is required for the moon to reach to the Earth and to prevent the separation between them

This value 0.17 mkm is found in the previous equation in form (**2 x 88000km**)

That tells us in fact Mars pulls the moon this distance (0.17mkm) to complete his required daily distance and to save his companionship with Earth....

This equation can be seen in more better form in following...

(Mars Velocity daily 2.082mkm/ Moon displacement daily0.088mkm) = 23.6

But

23.6 deg. (outer planets orbital inclinations total)x 0.99 = 23.4 deg (Earth axial tilt)

Also

17.4 deg. (inner planets orbital inclinations total)x 0.99 = 17.2 deg (Pluto orbital inclination)

And we know that

$$\frac{25.2 \text{ Mars axial tilt}}{23.4 \text{ Earth axial tilt}} = \frac{26.7 \text{ Saturn axial tilt}}{25.2 \text{ Mars axial tilt}} = \frac{28.3 \text{ Neptune axial tilt}}{26.7 \text{ Saturn axial tilt}} = 1.0725$$

So the value 23.6 (Mars velocity / Moon displacement) ...in fact expresses Mars axial tilt and Earth axial tilt....which proves that the many relationships which are found between Earth and moon at one side and Mars with Pluto at another side express about real geometrical relationships

Gerges Francis Twadrous Curriculum Vitae

<http://vixra.org/abs/1902.0044>

or

https://www.academia.edu/38285624/Gerges_Francis_Tawdrous_Curriculum_Vitae_.doc

or

<https://www.slideshare.net/Gergesfrancis/gerges-francis-tawdrous-curriculum-vitae>

Author Other Papers

There's A Light Beam Travels With 1.16 mkm per sec (My Claim)

<http://vixra.org/abs/1904.0236>

Saturn Effect On The Solar Group Geometry

<http://vixra.org/abs/1904.0203>

Time And Distance Equivalence (Proves)

<http://vixra.org/abs/1904.0125>

Why Saturn Orbital Distance = Saturn Uranus Distance?

<http://vixra.org/abs/1904.0108>

How the Solar Group is Created? (Discussion No. 1)

<http://vixra.org/abs/1904.0051>

No Random Process Causes The Solar Group Creation (No Big Bang)

<http://vixra.org/abs/1904.0014>

Does Mars Fit his Position Is The Solar Group? Why Not?!

<http://vixra.org/abs/1904.0009>

There Are Relativistic Effects In The Solar Group

<http://vixra.org/abs/1903.0565>

The Sun Gravity Concept is Unreal (Proves)

<http://vixra.org/abs/1903.0569>

Why We See the Sun Disc = the Moon Disc? (T.S. Eclipse II)

<http://vixra.org/abs/1903.0322>

Why The Solar Planet Motion Trajectory is An Ellipse?(revised)

<http://vixra.org/abs/1902.0291>

Is the 2737 Phenomenon a Real One?

<http://vixra.org/abs/1901.0381>

The Moon Orbit Triangle

<http://vixra.org/abs/1901.0082>

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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 (10²⁴kg)</u>	0.330	4.87	5.97	0.073	0.642	1898	568	86.8	102	0.0131
<u>Diameter (km)</u>	4879	12,104	12,756	3475	6792	142,984	120,536	51,118	49,528	2390
<u>Density (kg/m³)</u>	5427	5243	5514	3340	3933	1326	687	1271	1638	1830
<u>Gravity (m/s²)</u>	3.7	8.9	9.8	1.6	3.7	23.1	9.0	8.7	11.0	0.6
<u>Escape Velocity (km/s)</u>	4.3	10.4	11.2	2.4	5.0	59.5	35.5	21.3	23.5	1.1
<u>Rotation Period (hours)</u>	1407.6	-5832.5	23.9	655.7	24.6	9.9	10.7	-17.2	16.1	-153.3
<u>Length of Day (hours)</u>	4222.6	2802.0	24.0	708.7	24.7	9.9	10.7	17.2	16.1	153.3
<u>Distance from Sun (10⁶ km)</u>	57.9	108.2	149.6	0.384*	227.9	778.6	1433.5	2872.5	4495.1	5870.0
<u>Perihelion (10⁶ km)</u>	46.0	107.5	147.1	0.363*	206.6	740.5	1352.6	2741.3	4444.5	4435.0
<u>Aphelion (10⁶ km)</u>	69.8	108.9	152.1	0.406*	249.2	816.6	1514.5	3003.6	4545.7	7304.3
<u>Orbital Period (days)</u>	88.0	224.7	365.2	27.3	687.0	4331	10,747	30,589	59,800	90,588
<u>Orbital Velocity (km/s)</u>	47.4	35.0	29.8	1.0	24.1	13.1	9.7	6.8	5.4	4.7
<u>Orbital Inclination (degrees)</u>	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 (degrees)</u>	0.01	177.4	23.4	6.7	25.2	3.1	26.7	97.8	28.3	122.5
<u>Mean Temperature (C)</u>	167	464	15	-20	-65	-110	-140	-195	-200	-225
<u>Surface Pressure (bars)</u>	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/>