

The Moon Motion Trajectory By Gerges Francis Twadrous

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Abstract

I suppose that,

The whole solar group is consisted from light beams and these light beams are reflected into Earth Moon Orbit with smaller rate (as the convex mirror), so each light beam is reflected inside the moon orbit in smaller form. Based on that, the moon orbit is consisted of the reflected light beams (Energy),

If this energy is similar to a sea water, so the moon is similar to a paper boat moves on this water. (i.e. the moon is indicator of Energy Passing Process)

This provides us with 2 important conclusions

1. The Moon motion shows all actions and motions in the solar group (as a mirror shows all the room furniture)
2. The Moon motion changes shows greater changes are found in the solar group

This paper supports my claim against Nobel Prize Board Decision in physics 2018

The claim is written in my previous Paper

Kepler 3rd Law Explanation (a Claim Against Nobel Prize Board Decision in Physics 2018

<http://vixra.org/abs/1810.0053>

1- Introduction

Earth moon motion trajectory is still one of the main unclear motions in the solar group...

After long history of astrophysics research, we don't know why The moon orbit regress 19 degrees yearly? Why the moon rotate Metonic Cycle which extends for 19 sidereal years and Earth doesn't? why we see the moon disc = the sun disc? i.e. why (the sun diameter/ moon diameter) = (Earth orbital distance/ Earth Moon distance)?!

Thousands of questions concern the moon motion still unanswered till now...Why these questions are not solved?!

Because the solar group current vision is incorrect!

I provide another vision concerns the solar group geometry which can solve these unanswered questions...so we have 2 visions in fighting, let's see what's the winner!

1st Vision: The Classical Vision

The moon moves by Earth Gravity, and defines his orbital distance based on the gravitation Equation, the planet mass is independent from other planets data...etc (we keep by heart this vision)

2nd Vision: My Suggested Vision let's summarize it in following:

I-The General Vision

- The Matter is Energy (according to $E=mc^2$) and the Space is Energy (my hypothesis)
- Solar Planet Matter and Orbital Distance both are created from the same energy...
- That means, from one Energy all solar planets and their orbital distances are created
- The solar group planets form together a geometrical structure. That means each planet is a member or a part of this geometrical structure (geometrical structure means a building similar to triangle – rectangle- pyramid... ect)
- i.e. each planet is a complementary to the other planets because all of them consist together one geometrical structure (or one machine or one body)
- This geometrical structure provides a chance for the original Energy to pass through the solar group
- The original energy passing though the solar group is similar to the blood motion in the creature body which provides the required energy
- Based on that, each planet data is created to be suitable for this planet job in the geometrical structure. (i.e. no planet data is independent from other data, because the planet data is created for his job) and that means, the planet job is defined before his creation (i.e. the planet job is defined by the original energy before Any Matter Birth)
- Because Planet data is created according to his job, all solar planets data are in harmony with each other, and based on that the planets motions general harmony is produced which enable kepler 3rd law to be produced.

(For more details Solar Group Geometrical Structure <http://vixra.org/abs/1805.0081>)

II-Earth Moon Motion

What's the moon according to the suggested vision?

- let's imagine that the energy is similar to the sea, the moon is just an indicator for the energy passing process ... so the moon is similar to a paper boat moves on sea-water... **"the moon is indicator"**

How this imaginary description can be true one?

- Let's imagine that, the whole solar group is consisted from light beams and these light beams are reflected into the moon orbit with smaller rate (as the convex mirror), so each light beam will be reflected inside the moon orbit in smaller form. Based on that, the moon orbit is consisted of the reflected light beams (Energy), which form the sea water, where the moon is a paper boat moves on this water...
- This idea tells us 2 important conclusions
 3. The Moon motion shows all actions and motions in the solar group (as a mirror shows all the room furniture)
 4. The Moon motion changes show greater changes are found in the solar group

I wish I explained the main problem in the moon motion trajectory... where the current vision in fact is far from the truth (as I think), that's why we can't use this vision to explain the moon motion trajectory.....!

I wish my vision can provide chances to explain difficult and puzzled data. the following is an example only...

How to explain the following relationships?

- i. Earth Moon Distance at Perigee point = 363000 km = Solar Outer Planets Diameters Total (error 1%)
- ii. Earth Moon Distance at Apogee point = 406000 km = Solar Planets Diameters Total
- iii. The Distance between Perigee and Apogee = 40000km = Inner Solar Planets Diameters Total = **Earth Circumference**.
- iv. Earth daily motion = The moon orbit circumference at apogee radius (r=406000 km)
- v. Saturn Circumference = Earth Moon Distance at total solar eclipse radius (r=377000km)
- vi. **Note Please/** Solar Planets Diameters Total= 2 Jupiter diameters + 1 Saturn diameter (i.e. Jupiter diameter = 8 solar planets diameters total)
- vii. **2 Neptune Circumference** = outer planets diameters total (without Neptune) (1.8%)

III-This Paper Objective:

We'll follow the energy trajectory which causes the moon motion (partially) to see clearly how the moon motion depends on and is produced by this energy trajectory which proves my suggested vision.

3- The Moon Motion Trajectory

3-1 The Main Idea

3-2 Data

3-3 The Discussion

3-1 The Main Idea

The Main Idea Summary

- The moon motion energy came basically from Uranus...
- The Energy starts from Uranus and passes by Jupiter, then will be sent to the moon orbit. (at apogee point $r= 406000$ km)
- That means, Uranus Energy will be concentrated on apogee point on the moon orbit (apogee radius = 406000km)
- This same energy with lorentz length contraction effect will be concentrated on total solar eclipse umbra...
- Through the total solar eclipse umbra this same energy will reach to the Earth
- The Energy will cause Earth to move, so Earth motion depends on this same energy which came from Uranus to the moon orbit, that may explain the reason why Earth daily motion = the moon orbit circumference at apogee point (406000km)
- Earth motion created the moon orbit Perigee point ($r=363000$ km) because of lorentz length contraction effect
- By Earth Motion the Energy is sent again toward the moon orbit which creates more coherences and interactions
- The moon orbit energy will be sent toward Mars through the solar eclipse umbra to create Mars diameter and orbital distance
- That explains the strong relationship between the moon and Mars

In following we may see clearly how these actions are done....

I- Data

3-2 The Data

Equation No.1

$$2046.5 \text{ mkm} = (71)^2 \times 0.406 \text{ million km}$$

- $2109 \text{ mkm} \times 0.99 = 2088 \text{ mkm}$
- $2088 \text{ mkm} \times 0.99 = 2067.1 \text{ mkm}$
- $2067.1 \text{ mkm} \times 0.99 = 2046.5 \text{ mkm}$

Note Please

$$\begin{aligned} -6939.75 \text{ seconds} \times 0.3 \text{ mkm/sec} &= 2088 \text{ mkm (point No.4)} \\ -3600 \times 1.16 \text{ mkm /sec} &= 2 \times 2088 \text{ mkm} \end{aligned}$$

Equation No.2

$$406000 \text{ km} = 1.0725 \times 378700 \text{ km}$$

Equation No.3

$$378700 \text{ km} \times 304 \text{ km} = 115.1 \text{ million km}$$

Equation No.4

$$(\text{Moon Diameter} / 304) = (\text{Earth Circumference} / \text{Moon diameter})$$

Equation No.5

$$(360/365.25) \times 304 \times \pi = 940 \text{ mkm (Earth orbital Circumference)}$$

Equation No.6

- $2.58 \text{ mkm} \times 2\pi = 16.217 \text{ mkm}$
- $(17.4\text{mkm} / 16.217 \text{ mkm}) = 1.0725$

Equation No.7

- $2.58 \text{ mkm} = 7.1 \times 0.363 \text{ mkm}$
- $363000 \text{ km} = 7.1 \times 51118 \text{ km}$

Equation No.8

- The Area between 2 points (Perigee point 363000 km – 378700 km solar eclipse point) = 36252mkm
- $36252 \text{ mkm} = 2088 \text{ mkm} \times 17.4$

Equation No.9

- $304 \text{ km} \times 71 \times 0.99 = 21346.6 \text{ km (Mars Circumference)}$
- $378555 \text{ km} \times 2 \times 304 \times 0.99 = 227.9 \text{ mkm (Mars Orbital Distance)}$

II- Discussion

3-3 The Discussion

2088 mkm is Jupiter Uranus Distance....

This distance we have discussed frequently in my papers... where this same distance provides us with 2 main trajectories of Energy

- Meonic Cycle Energy (2nd trajectory) (6939.75 second x c = 2088 mkm)
- Moon Orbit Energy (1st trajectory) (2046.5 mkm = (71)² x 0.406 million km)

We discuss Moon Orbit in Point No.3 where Metonic Cycle we have discussed before (Metonic and Saros Cycles Harmony Reason <http://vixra.org/abs/1809.0559>)

That's why we discuss here 1st Trajectory

Equation No. 1

$$(2046.5 \text{ mkm} = (71)^2 \times 0.406 \text{ million km})$$

0.406 million km = Earth Moon Distance At Apogee Point

2046.5 mkm = A distance from Jupiter to Uranus

Based on

- o 2109 mkm x 0.99 = 2088 mkm
- o 2088 mkm x 0.99 = 2067.1 mkm
- o 2067.1 mkm x 0.99 = 2046.5 mkm

What does Equation No.1 tell us?

- Light passes the distance from Uranus to Jupiter where this passing provides an Energy
- Uranus Jupiter Energy (distance) is contracted by lorentz length contraction with rate 71 (which is produced by a velocity $v=0.9999c$)
- This contraction process is done for 2 times (71)² and by this contraction process the distance 2046.5 mkm (which is Jupiter Uranus distance) will be contracted to be Earth Moon Distance (At Apogee =406000km)
- That means the light energy which passes from Uranus to Jupiter will be concentrated on point (apogee $r=406000$ km) on the moon orbit
- i.e. the Energy is concentrated on the moon orbit at apogee point (406000km)

The previous explanation ignores many important questions! For example...

The 4 values of this distance (2109 mkm – 2088 mkm– 2067.1 mkm- 2046.5 mkm) why the same distance has 4 values?!

4 different distances values but **The Same Energy**...!

As we have seen with the following:

IN THE ALMIGHTY GOD NAME

Through the Mother of God mediation

I do this research

- 17.4 degrees (Solar Inner Planets Orbital Inclinations Total) x 0.99= 17.2 degrees (Pluto orbital inclination)

Or

- 23.6 degrees (Solar outer Planets Orbital Inclinations Total) x 0.99 = 23.4 degrees (Earth Axial Tilt)

They are different values but found depending on each other...

That tells us, Jupiter Uranus distance is seen in 4 values all of them are independent in its job but these 4 values are found based on each other...!

So any of them expresses **The Same Energy**

In fact Equation no. 1 still has another meaning... let's see it here again

Equation No. 1

$$2046.5 \text{ mkm} = (71)^2 \times 0.406 \text{ million km} = 5040 \times 0406 \text{ mkm}$$

Let's remember

- Pluto velocity = 0.406 million km / daily
- Mercury day needs 5040 seconds to be 176 days

So, equation no. 1 tells another meaning...

Pluto moves during 5040 days a distance = 2046.5 million km (Jupiter Uranus)

Shortly

What's a second in Mercury time becomes a day in Pluto time!!

I wish we remember here Metonic Cycle ... where

The light with c velocity needs 6939.75 seconds to cover a distance 2088 mkm (Jupiter Uranus distance)

But Metonic Cycle = 6939.75 days

In this relationship also we have found that what's a second in the light motion becomes a day in the moon motion!

The meaning still difficult to be understood but we should try hardly to see the truth....

Conclusion No. 1

Uranus Jupiter Distance (Energy) is carried and concentrated on the moon orbit apogee radius (r=406000km)

Equation No. 2

$$\frac{406000 \text{ km (moon orbit radius at apogee)}}{378700 \text{ km (moon orbit radius at total solar eclipse radius)}} = 1.0725$$

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

Equation no.2 uses the rate 1.0725 which we have found between Planets axial tilts... Why the only rate 1.0725 is used with 4 planets axial tilts? And also between lunar orbital apogee radius and total solar eclipse radius?

In planets axial tilts discussion, I have suggested that, the rate 1.0725 is found because of lorentz length contraction effect...

Let's review the idea here again ...

I suppose there's a physical point in the solar group moves with c velocity relative to another physics point in the group...this produces relativistic effects...we can't observe the high velocity but we can deduce it by the relativistic effects which we can discover in the solar group... now let's ask why this rate 1.0725 is found?

These distances are light beams reflected from each other, so they had to be equal but because some of them suffer from lorentz contraction effect that makes some of them shorter with this rate 1.0725

How the relativistic effects produces this rate? Velocity $v=0.99c$ produces contraction rate $=7.1$ so this rate 1.0725 is produced by the Equation $(7.1/100 + 1)= 1.071$ (how to explain this equation? I still search for an answer)

But lorentz contraction effect uses also the rate 7.1 as we have discussed before

Conclusion No. 2

The Energy which is sent by Uranus Jupiter distance, and concentrated on lunar orbital apogee radius $r=406000\text{km}$, this energy is found on the total solar eclipse radius $r= 378700\text{km}$ and this same energy will be found inside the total solar eclipse umbra...

Let's discuss another description for the total solar eclipse

- We know the solar eclipse is found as shadow of the moon
- Let's suggest another description....let's suppose that, the eclipse umbra shadow is produced by light coherence and based on this coherence the matter is produced (Bright Fringes)... that means the moon himself is produced as a result of the light coherence as similar to the umbra shadow... that means there's a coherence of light is done in the total solar eclipse and that's the source of the solar eclipse phenomena importance and effect on the solar group geometry
- This description my provides a help to search an answer for the old question why lunar eclipse umbra = the sun diameter.

Equation No.3

378700 km x 304 km = 115.1 million km

378700 km = total solar eclipse radius

304 km = the total solar eclipse umbra shadow covers a distance on Earth = 304 km

The area = 115.1 million km

We have many important numbers are defined by number 115.1 million km

First

We know 1 million km = 1 degree that means 115.1 mkm = 115.1 degrees

But Mars axial tilt 25.2 degrees, and on vertical level this value will be $25.2+90=115.2$ degrees

That equals the shadow area ...!

With Equation No. 9 we'll see how the umbra shadow distance helps in Mars diameter and orbital distance production process...

That tells us, the value 115.1 degrees causes Mars Axial Tilt 25.2 to be produced and because of Mars Axial Tilt importance we can deduce that this value is so effective in the solar group general geometrical structure....

Saros Cycle

I wish we remember Saros Cycle...

In fact the total solar eclipse umbra shadow covers 304 km, but this distance has shift angle from cycle to another ..

The shift angle = 115 degrees...

This value also is very specific let's remember it in following :

$$6585.3211 = 115 (\text{Shift Angle}) \times \frac{180}{\pi}$$

6585.3 days = Saros Cycle period

115.2 degrees = shift angle = Mars axial tilt on vertical level (=25.2 +90 = 115.2)

$(180/2\pi)$ = 28.6 degrees (Neptune axial tilt = 28.3 degrees)

The previous Equation can be understood better if we remember that 1 day = 1 degree

That means

Saros Period (=6585.3 days) depend on the shaft angel 115 degrees...

But shaft angle = Mars axial tilt vertically where the other factor = 2 x Neptune axial tilt

I wish we see clearly that Saros Cycle period is found based on Neptune and Mars axial tilts (where Mars axial tilt himself is found as relativistic effect from Neptune axial tilt)

The conclusion

The value 115.1 degrees controls many values in the solar group...

For more details "Neptune Data shows The Solar Group Geometry"

<http://vixra.org/abs/1811.0178>

Equation No.4

$$\frac{\text{Moon Diameter } 3475 \text{ km}}{304 \text{ km}} = \frac{\text{Earth Circumference } 40080 \text{ km}}{\text{Moon Diameter } 3475 \text{ km}}$$

It's logical that the covered distance 304 km depends on the moon diameter as Equation no.4 tells us..

But in fact equationno.4 tells us more important data....

Not only Moon diameter is related to the covered distance 304 km

But also the Earth Circumference depends on the covered distance 304 km as similar to the moon diameter...

I wish we see the connection between the different points which supports the claim that the energy travels from point to another point through the solar group...

I find it's easy to consider the umbra shadow as carrier for the Energy, basically because the light and shadow both of them can be considered as light beams and both of them are energies...

The Idea Summary

- The Energy is sent from Uranus and Jupiter toward Earth Moon Orbit, where this Energy is concentrated on apogee radius point (r=406000km)
- This same energy is sent from Apogee radius (r=406000km) point to the total solar eclipse radius (r=378700km) by lorentz contraction effect
- The Energy is carried inside the total solar eclipse umbra and reaches to the Earth surface.. this energy will create the moon diameter, Earth diameter and define the covered distance on Earth Surface (304 km)
- The Energy causes also the Earth Motion
- The main process behind all these players is the light coherence process which is done in the total solar eclipse Phenomena.

Equation No.7

- I. 2.58 mkm Earth daily motion = 7.1×0.363 million km (Lunar orbital distance at perigee point)
- II. 0.363 million km = 7.1×51118 km (Uranus Diameter)

I- 2.58 mkm Earth daily motion = 7.1 x 0.363 million km (Lunar orbital distance at perigee point)

Equation I tells clearly that, the distance between Earth and the moon at perigee point ($r=363000\text{km}$) is found as a contracted distance from Earth daily motion 2.58 mkm

That means

Earth daily motion (2.58mkm) is an energy travels toward the moon and because of Lorentz length contraction effect... this Energy is seen as contracted by rate 7.1 which is produced by a velocity $v=0.99c$ ($c=\text{light velocity } 0.3\text{mkm/sec}$)

That's why Perigee point radius = 363000km

Now we concluded that, the energy which comes from Uranus to the moon orbit causes Earth motion... and now we see the energy is sent again toward the moon orbit...

But Equation II tells us that, this Energy reaches again to Uranus...!

Where Uranus diameter is created based on the Earth motion daily energy!

That's why Uranus diameter = 4 Earth diameter...!

Because Earth has 4 years cycle ($365+365+365+366$) = 1461 days...

I don't know the geometrical rule by which this is done..

But the Data provides us a clear support

Specially because of my claim that, the planet motion trajectory is a square (needs the number 4) and not an ellipse

Please review

Solar Planet Motion Trajectory Is A Square (Proves) <http://vixra.org/abs/1811.0147>

Please review my papers

Neptune Data shows The Solar Group Geometry (Part 2)

<http://vixra.org/abs/1811.0188>

"Neptune Data shows The Solar Group Geometry"

<http://vixra.org/abs/1811.0178>

Kepler 3rd Law Explanation (Part No.2) (To Support my Claim Against Nobel Prize Board Decision in Physics 2018) <http://vixra.org/abs/1810.0485>

Kepler 3rd Law Explanation (a Claim Against Nobel Prize Board Decision in Physics 2018)

<http://vixra.org/abs/1810.0053>

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