

**Research Paper "Solar Planet Motion Trajectory Is A Square And Not An Ellipse"
By Gerges Francis Twadrous**

2nd course student – Physics Department - Physics & Math Faculty –
Peoples' Friendship University – Moscow – Russia -2010-2013

TEL +201022532292 georgytawdrous@yandex.ru / mrwaheid@gmail.com

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Abstract

**The Solar Planet Motion Trajectory Is A Square And Not An Ellipse,
And
We See This Trajectory As Ellipse Because Of The Earth Moon Structure**

The moon orbit covers the planet motion real trajectory (which is a square) with an imaginary trajectory (which is an ellipse).
This paper tries to prove this fact

*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

I provide here a clear claim let's summarize it in following:

- 1- The solar planet motion trajectory is **a square and not an ellipse**,
- 2- We see the planet motion trajectory as ellipse (kepler 1st law is correct)
- 3- The moon orbit geometrical structure prevents us to see the solar planet motion real trajectory (the square) and covers it by an imaginary trajectory (the ellipse)

How to prove this claim?

I'll provide the moon orbit geometrical feature which prevents us to see the planet motion real trajectory.

Let's start immediately in following

2- Methodology

I use the same method in all my researches, **The Planet Data Analysis...**

Let's explain the idea here again

In Pythagoras triangle we found that $a^2 + b^2 = c^2$, this rule we can conclude from the triangle data if its dimensions are 3, 4 and 5... so the data may show the geometrical rules....similar to that, I use the solar planets data analysis to conclude the main geometrical rules which explain the solar planets origin and motion...

3- The Moon Orbit Geometry

3-1 The moon orbit geometrical feature

3-2 The moon orbit geometrical structure

3-1 The Moon Orbit Geometrical Features

I- The Factor $400/\pi$

The question is by what geometrical tool the moon orbit covers the solar planet motion real trajectory by an imaginary one?

By the factor " $400/\pi$ "

It's easy argument....

$$\frac{\text{Square Circumference}}{\text{Circle Circumference}} = 1.272727$$

For that reason, the moon data uses the number 400 as we have seen

$$\frac{\text{Earth orbital distance}}{\text{Earth moon distance}} = \frac{\text{The Sun Diameter}}{\text{The Moon Diameter}} = 400$$

Why this number " $400/\pi$ "?

Because the square form will be covered with an ellipse form.... For that reason the rate 127.27 is used frequently in the moon orbit geometrical structure

It's the way by which the moon covers the square trajectory by an ellipse...!

What conclusion we may get here?

The solar planets motions trajectory which are squares will be covered with an ellipses!

But the solar planets are different planets and have different motions trajectories, if the moon orbit will cover them by the imaginary trajectories that mean the moon orbit should define each planet motion trajectory...

That mean the moon orbit should have a reference for each planet motion.... Is it true? Can we prove that... let's try

The moon orbit and solar planets relationships

I-Data

- Earth Moon Distance at Perigee point = 363000 km = Solar Outer Planets Diameters Total (error 1%)
- Earth Moon Distance at Apogee point = 406000 km = Solar Planets Diameters Total
- The Distance between Perigee and Apogee = 40000km = Inner Solar Planets Diameters Total = Earth Circumference.

II-Discussion

- The previous Data is just examples for the moon orbit relationships with the solar planets, we should discuss these relationship in **3-2 The moon orbit geometrical structure**... but this data I provided to show that there's a clear relationship between the moon and each solar planet, which supports my claim
- The relationship here between the moon orbit radius and the solar planets diameters why not with the motions? because the matter is energy, the distance is energy and the motion needs energy... let's review the main idea before to continue

For rate 127.27 data ... please review

Solar Planets Motions Trajectory is A Pyramid or A Cone? (Part II) <http://vixra.org/abs/1811.0096>

II- The Main Idea Revision

The solar planets motions trajectory is a pyramid

Let's remember it in following

- The Solar Planets are Found On Different Horizontal Levels (Steps) Which makes The Solar Group As A Ladder. Based On That, While The Planets revolve Around The Sun, They create A Pyramid Form For Their Motions Trajectory
- The Planet revolution around the sun which we see in **ellipse form** in fact it's **square form**.
- The sun is found on the Pyramid Apex
- **The Pyramid Is The Solar Planets Motions Trajectory...**

I need 3 steps to reach to this conclusion let's summarize them:

1st Step:

- to accept that, the solar group is created from one energy, where the planet matter ($E=mc^2$) and orbital distance (hypothesis) are created from the same energy....
- The solar group has a geometrical structure which creates all solar planets data (such as planet diameter, mass, orbital distance....etc) to be in harmony with each other...
- The planets data general harmony produces planets motions general harmony, based on which Kepler 3rd law is produced

2nd Step:

- To realize that, the planets data general harmony can be produced only by a **geometrical structure** which guarantees the Planets data general harmony ...
- i.e. This geometrical structure causes the planet data (diameter- mass-orbital distance ...etc) to be produced in harmony with the other planets data....
- i.e. This geometrical structure produces all planets data

3rd Step:

- This geometrical structure I concluded that, **It's A Pyramid...**

Shortly: One energy produces all factors, that's why these factors are related to each other and integrated with each other...

Please review the previous paper because the discussions are continuous and related

The Solar Group Geometrical Structure is A Pyramid (Revised)

<http://vixra.org/abs/1811.0060>

III- The Angle Vision

Moon Diameter

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

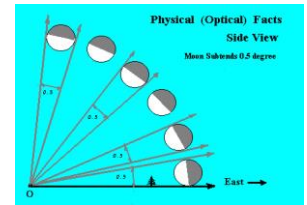
(The real value is $\gamma = 0.532$ degree, we learnt that from the total solar eclipse)

$\gamma = 0.532$ degree

expresses the moon diameter 3475 km

360 degrees

expresses what??



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

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

let's see if this also real with the sun diameter

The Sun Diameter

$\gamma = 0.532$ degree

expresses the sun diameter 1.392 million km

360 degrees

expresses what??

$$\frac{360}{0.532} \times 1.392 \text{ mkm} (\text{Sun Diameter}) = 940 \text{ mkm} (\text{Earth Orbit Circumference} - \text{no error})$$

I found it's hard to consider both results as pure coincidences...

The previous data tries to show that, the moon and sun data have specific geometrical features ...

IV- The Moon diameter and light velocity

- 10921 km moon circumference x 27.3 days = 300000 km

The previous Equation tells us that, if the moon rotates around his axis one time every day, he would move during his orbital period a distance = 300000 km = light motion for 1 second

- 10921 km moon circumference x 86400 seconds = 940 mkm (Earth orbital circumference)

The previous Equation tells us that, if the Earth revolves around the sun one complete revolution in one day (86400 seconds) so the moon circumference will be equal a motion of 1 second of her day...

The previous 2 equations are just examples of many others which try to explain that the **Moon orbit and diameter** are created **by specific geometrical features** to do some special task...

Let's see The Moon Orbit Geometrical Structure which will support strongly this claim....

3-2- The Moon Orbit Geometrical Structure

I have referred to the moon orbital geometrical structure frequently in my papers, but in this time we need to analyze the data more deeply may we can see much better the picture...

I-Data

Let's summarize the data in the next table

Table No. 1		
"The Solar Planets Diameters Total Relationship With The Moon Orbit"		
If Earth diameter = 12756 km, is considered to be = 1		
i.e. The Earth Circumference which = 40080 km, will be just =Π		
So The Following Is Correct		Error
❖ Earth Circumference	= Π	-
❖ Solar Inner Planets Diameters total	= Π	-
❖ Moon motion free space (from perigee to apogee) (the free space without the moon diameter)	= Π	1.3%
❖ Moon Perigee Orbit Radius	= 9Π	-
❖ Solar Outer Planets Diameters Total	= 9Π	-
❖ Moon Orbit Apogee Radius	= 10Π	1.2
❖ All Solar Planets Diameters Total	= 10Π	1
❖ 2 Jupiter Diameters + Saturn Diameter	= 10Π	-
Saturn Circumference = Moon Orbit Radius At Total Solar Eclipse	= 9.5Π	-
❖ Jupiter Circumference	= 11Π	1.9
❖ The Sun diameter	= $11 \Pi^2$	1.2

II- Discussion

The previous table tells us that, the Earth moon orbit isn't similar to any other moon orbit The orbit geometrical structure is so specific as we can see which can support easily the moon task to cover the solar planets motions real trajectories....

Let's write this data in more clear form in following

More Data

- 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)

4- The Moon Orbit Creation

4-1 The moon orbit is a revered pyramid

I- Data

- 1-
406000 km = the moon orbit radius at apogee point
406000 km daily = Pluto velocity
- 2-
363000 km = The moon orbit radius at perigee point
363000 km = 7.1×51118 km (Uranus Diameter)
(7.1 is Lorentz contraction rate for a velocity = $0.99c$)
- 3-
377000 km = moon orbit radius at total solar eclipse
377000 km = Saturn Circumference

II- Discussion

Equation no. 1

As we have seen, Pluto velocity is equal = moon orbit apogee radius which tells there's a relationship between Pluto and apogee point

Equation no. 2

The rate 7.1 is the lorentz contraction effect rate for a velocity = $0.99c$

So the perigee radius 363000 km is contracted by 7.1 to produce a distance = 51118 km Uranus Diameter....

That tells us....

There's a relationship between Uranus and Perigee point... this conclusion we have discussed in my previous paper

Earth Motion Produces The Moon Orbit <http://vixra.org/abs/1806.0137>

Note please

Uranus, Neptune and Pluto are on vertical level relative to the other planets as we have discussed in my previous paper

Solar Planets Motions Trajectory is A Pyramid or A Cone? (Part II)

<http://vixra.org/abs/1811.0096>

The Conclusion

The moon orbit is a reversed pyramid or reversed image from the original pyramid (The Pyramid Of Energy)

Let's see the whole story in following

4-2 The Summary

The whole story....

The Pyramid Of Energy

- The solar planet motions trajectory is a pyramid ... we can call it "The Pyramid of Energy"
- This Energy is sent to the moon orbit...
- In fact this energy is reflected to the moon orbit and for that the Pyramid is reversed in the moon orbit..
- As we know the moon perigee point at distance 363000 km but the moon apogee point at distance 406000 km .. we can see the pyramid is reversed where the pyramid base is found at apogee point (406000 km)...
- For the moon pyramid the Earth is found on Pyramid Apex...
- The Moon pyramid is also Pyramid of energy and shows every motions are found in the solar group because this pyramid is a mirror for the original one
- That tells us why the moon trajectory is so difficult to define.... That because the moon trajectory expresses all solar planets motions in the solar group but in small distances and actions as the mirror reflects the pictures...!
- So the moon indeed accumulate the solar planets energies in his orbit but this accumulation is done by the reflection process... where each planet motion energy is reflected inside the moon orbit and because each planet motion is in harmony with other planets in the solar group, the reflected energy also will be in harmony with other reflected energies inside the moon orbit
- The moon here is just indicator and by his motion he refers to and shows the different actions which are done in the solar group... that's why the moon orbit is the great Map for the solar group...
- The previous description provides a clear answer for the hard question..... let's remember it here...

Why the next relationships are found?

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

5- Metonic Cycle is a vertical motion

Metonic Cycle is a vertical motion for the moon, which provides more geometrical features for the moon orbit...

Let's try to prove that in following.....

5-1 Saros Cycle

In Saros Cycle we find very specific information

Let's remember Saros Cycle in following

Saros Cycle (54 sidereal years & 34 days) causes the solar umbra shadow to wipe the same longitude on Earth surface but the new place may change with 1000 km to north of south from the original one

We interest basically for Saros Cycle which causes the solar umbra shadow to wipe the same specific place, and this Cycle needs (from 360 to 410 sidereal years)

This Cycle depends basically on the Earth diameter, and if the Earth diameter changes this cycle will never be seen.

Let's discuss 2 equation here:

- i. The solar umbra shadow covers a distance on Earth surface=304 km, this distance is shifted 115 degrees with each Saros cycle (6585.3211 days)

$$\text{II- } 6585.3211 = 115 \times \frac{180}{\pi}$$

How can we understand the previous equations..? ($\frac{180}{\pi} = 2 \times \text{Neptune axial tilt}$)

The factor ($\frac{180}{\pi}$) I consider as a geometrical constant... i.e.

Saros Cycle period 6585.32days is defined based on the shift angle 115 degrees. and the shift angle 115 degrees. is defined because of Saros Period 6585.32 days

But why the shift angle = 115 degrees?

115 degrees = 90 degrees + 25.2 degrees (Mars axial tilt) (Equation No. 5-1)

We know Mars axial tilt 25.2 is equivalent to Earth axial tilt 23.4 but the difference in values is found by the relativistic effects...

Please review

The Solar Group Geometrical Structure is A Pyramid (Revised)

<http://vixra.org/abs/1811.0060>

The previous equation (5-1) tells us that, the solar eclipse umbra shadow needs 90 degrees to reach to the Earth...

The shadow came to Earth based on Earth axial tilt 23.4 but needs 90 degrees to reach to Earth surface....

The value 90 tells that there's a **perpendicular position** the umbra needs to overcome to reach to the Earth surface..

The angle may support simply that, the Metonic and Saros Cycle are found from a vertical motion

i.e.

the moon does a vertical motion in Metonic Cycle

5-2 The General Description

From Copernicus–Kepler model modification, we may remember the following

- 1- The sun is on the vertical level relative to the Earth. (The Pyramid Apex)
- 2- The Sun is higher than the Earth, and higher than all solar planets
- 3- The planets are found under the sun in different levels which makes the solar group as a ladder.. (produces Pyramid Trajectory of their motions)
- 4- The straight line from the Sun to the Earth is the main line in the solar group.**
- 5- The planets revolve around this line, and not around the sun herself..
- 6- i.e. the Planets revolve around the line connected between the Sun and the Earth...
- 7- That means when the planet revolve around the sun, he will revolve around the Earth also because both of them connected by this same one line
- 8- That's why, the Ptolemy model lived very long time, because it was correct
- 9- So if the planet revolve around the sun or around the Earth the result will be the same, because both of them contributed to create the main line in the solar group
- 10- And because the sun is higher than the Earth, we see the sun hesitating motion to forward and backward with angle 63.7 degrees yearly, as a circle motion
- 11- So the sun circle motion is NOT true, but resulted from our wrong vision for the sun motion...

Please review

Copernicus Kepler Model Modification <http://vixra.org/abs/1711.0133>

Author other papers

Solar Planets Motions Trajectory is A Pyramid or A Cone? (Part II)

<http://vixra.org/abs/1811.0096>

Solar Planets Motions Trajectory is a Pyramid (Part i)

<http://vixra.org/abs/1811.0076>

The Solar Group Geometrical Structure is A Pyramid (Revised)

<http://vixra.org/abs/1811.0060>

Earth Axial Tilt

<http://vixra.org/abs/1811.0013>

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>

The Observer Effect On The Observation Results (Space = Energy=mc²)

<http://vixra.org/abs/1810.0343>

Definition of Space (Revised)

<http://vixra.org/abs/1810.0307>

Does The Moon move by Gravity?

<http://vixra.org/abs/1810.0089>

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

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

Gerges Francis Tawdrous

TEL +201022532292

E-mail georgytawdrous@yandex.ru

LinkedIn <https://eg.linkedin.com/in/gerges-francis-86a351a1>

Facebook <https://www.facebook.com/gergis.tawadrous>

Academia <https://rudn.academia.edu/GergesTawadrous>

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Gerges Francis Tawadrous/

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

mrwaheid1@yahoo.com mrwaheid@gmail.com

+201022532292