

Why The Solar Planet Motion Trajectory is An Ellipse?

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Abstract

- 1- Solar planet motion real trajectory is a square
- 2- This square trajectory is seen by us as circular trajectory
- 3- The 2 forms of trajectories (square and circular) got interaction together and produce the ellipse as the planet motion final trajectory.
- 4- The square and circular trajectories interaction is done by Uranus and Neptune effects...
- 5- Saturn is the main player in the solar group geometry
- 6- Planet Eccentricity supports this claim

This paper completes the discussion in my previous paper
Solar Planet Motion Trajectory Is A Square And Not An Ellipse
<http://vixra.org/abs/1811.0135>

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All my papers

http://vixra.org/author/gerges_francis_tawdrous

1-Introduction

This paper provides a heavy claim...let's summarize it as clear as possible:

- The solar planet motion trajectory is square and not An ellipse!
- The square trajectory is seen by us as a circular trajectory..!
- Now these 2 forms of motion trajectory get interactions with each other and produce the ellipse form as planet motion final trajectory, producing the perihelion and aphelion points (Kepler was correct)

Now

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

To see deeply as possible we have to answer 3 basic questions which are:

- 1- Why the planet motion trajectory is a square?
- 2- Why we see the square trajectory as circular one?
- 3- Why the 2 forms get interaction together and produce the ellipse form as the planet motion final trajectory? i.e. Why the planet motion final trajectory isn't square or circular?

In this introduction let's answer question No. 2 only, but question No.3 can may discuss in this paper methodology.... But question No.1 will be our fighting point in this paper

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 curve trajectory...

Why we see the square as circular trajectory of motion?

Simply, because Earth velocity force us to see the square trajectory as circular one ...

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

To see clearly as possible we have to answer our old question....

How the matter is created?

The classical vision tells us "the matter is fact and 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 in vacuum)
- 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 light velocity (so no difference in velocity is found between them), for that each of both will see the other as matter (particle) - but if there's a difference in velocity between 2 observes = c 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 same velocity of 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 distance or space (that's why the space is Energy)
- 8- This explains the planet diameter and orbital distance relationship.
- 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 will mean we see the light beam (bright fringes) as matters
i.e.

If we see any particle that means Earth moves by light velocity...

because the matter has no real existence, but found only because our motion velocity (Earth velocity) = c velocity

So, to answer why we see the square trajectory as circular one? We need before to answer the more simple question "**What's Earth 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...

These practice changes are occurred really for the particles 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 which deceives us and gives us unreal concepts

Please review my paper

The Relativistic Effects Reason

<http://vixra.org/abs/1902.0097>

2- Research 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...

Let's use this method to explain the moon orbital motion in following:

Preface:

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

Also

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

Let's explain the previous Equation firstly

28.3 degrees (Neptune axial tilt) is the main value which is contracted by lorentz length contraction effect (by the 1.0725) to produce 26.7 deg (Saturn axial tilt) which also is contracted again to produce 25.2 deg. (Mars axial tilt) and then contracted again to produce 23.4 deg. (Earth axial tilt) so these 4 values are equal but the difference is found by relativistic effects

The Moon Orbital Motion:

- The moon moves 2.58 mkm daily = Earth motion daily (otherwise they will be separated from each other)
- If there's no relativistic effects in the solar system, the moon should be seen as a bright stationary point in the sky because Earth and Moon move by the same velocity.

But

- Because of the relativistic effects this value (2.58 mkm) will be contracted with the rate 1.0725 to produce the value 2.41 mkm (as in 1st Equation)
- So the moon daily motion =2.58 mkm but this value is seen =2.41mkm (because of lorentz length contraction phenomenon)
- The difference between both = 0.17 mkm which causes **The Moon Daily Displacement** (0.17 mkm = 2 x **88000 km**)
- Why the difference 0.17 mkm = **2** x moon daily displacement 88000km? may that occur because of the motions opposite directions.

This theory can answer easily why the moon orbital circumference at apogee radius (2.58mkm) = Earth daily motion..... because this circumference express the daily motion...

Please review ...

"The Moon Orbital Motion"

<https://www.academia.edu/s/77becf288e/the-moon-orbital-motion>

or <http://vixra.org/abs/1812.0200>

or <https://www.slideshare.net/Gergesfrancis/the-moon-orbital-motion>

(The previous explanation answer Question No.2, because the moon real motion is a result of the 2 motion trajectories interaction. The ellipse trajectory is similar to that)

3- The Square Trajectory is seen as circular one

3-1 The Moon Orbit regresses Yearly 19 degrees! why?

3-2 Saturn is the main player in the Solar Group Geometry (Pluto eccentricity)

3-1 The Moon Orbit regresses Yearly 19 degrees! why?

I-Data

Equation No.1

1.8 deg. (Neptune orbital inclination) x 0.8 deg. (Uranus orbital inclination)=1.44 deg.

II-Discussion

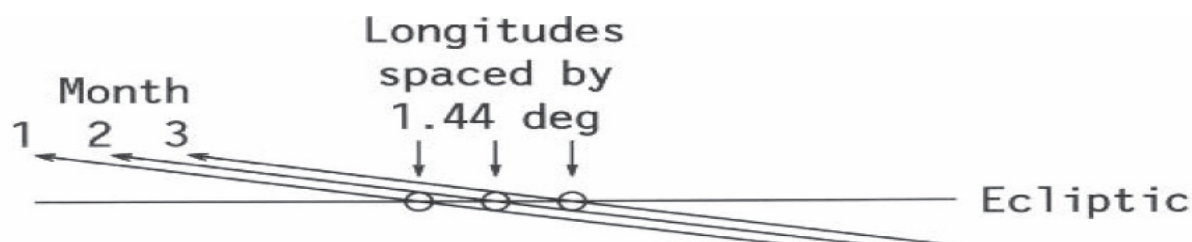


FIGURE A-9. The Moon ascends through its node (where its orbit crosses the ecliptic) once every nodical month, such a month having an average duration of 27.21222 days. Because this is less than the time it takes the Moon to complete a revolution about the Earth, the node moves clockwise along the ecliptic (from left to right in this view), successive values of the nodal longitude dropping by 1.44 degrees. The size of the Moon is shown to scale.

The previous image is taken from (page 424)

ECLIPSE The celestial phenomenon that changed the course of history

DUNCAN STEEL

Let's summarize the idea in following:

- Uranus and (may be Neptune) are on vertical level related to the other solar planets
- Specifically Uranus is perpendicular on the moon orbit
- For that the moon orbit regression yearly depends on Uranus and Neptune orbital inclinations (as Equation no.1 tells us)

This is a brief summary for the idea – more arguments we should discuss with Saturn

But

Let's remember the strong relationship between Uranus and the moon where...

- The moon orbit radius (at perigee point) = 0.363mkm = 2.58 mkm Earth daily motion/7.1 (relativistic effect rate)
- Uranus diameter 51118 km x 7.1 (relativistic effect rate) = 0.363mkm= The moon orbit radius (at perigee point)
- The moon orbit radius (at perigee point) = 0.363mkm = 2.58 mkm Earth daily motion/7.1 (relativistic effect rate)

Please review

Earth Motion Produces the Moon Orbit

<http://vixra.org/abs/1806.0137>

3-2 Saturn is the main player in the Solar Group Geometry (Pluto eccentricity)

I-Data

- Pluto Eccentricity Distance = 1433.5 mkm =
- **Saturn orbital Distance = 1433.5 mkm =**
- Mars Orbital Circumference = 1433.5 mkm =
- Uranus Orbital Distance = 1433.5 mkm x 2
- Neptune Orbital Distance = 1433.5 mkm x π
- Mercury Jupiter orbital diameter = 1441.4 mkm (0.5%)

Saturn Orbital Distance we have discussed deeply in my previous paper

Solar Planet Data Geometrical Concepts disproves The Current Theory

<http://vixra.org/abs/1902.0230>

or

<https://www.academia.edu/s/c5e3e834d1/solar-planet-data-geometrical-concepts-disproves-the-current-theory>

More Data

(Equation 2) $4 \times 1433.5 \text{ mkm (Saturn Orbital Distance)} = 5734 \text{ mkm (distance from Pluto to 135.5km before the sun)}$

(Equation 3) $\pi \times 1433.5 \text{ mkm (Saturn Orbital Distance)} = \text{Neptune Orbital Distance}$

so

$(4/\pi) = 1.2727$ **By This Factor The Square Trajectory Changes Into Circular One**

II- Discussion

Let's discuss the equations in following:

Equation 2...

$4 \times 1433.5 \text{ mkm (Saturn Orbital Distance)} = 5734 \text{ mkm}$

The point 135.5 mkm from the sun "I call it Point No. A"

From Point A to Pluto (5870-135.5) = 5734.5 mkm = 4 x 1433.5 mkm (Saturn Orb. Dis.)

Why Point A is important?

The distance from point A (135.5 mkm) to Uranus = (2872.5-135.5) = 2737 mkm

We know the Cycle 2737 years and we have discussed that the time and distance values can be equivalent... ..

This distance we have discussed deeply in my previous paper

Time And Distance Definitions In The Solar System <http://vixra.org/abs/1509.0241>

Let's summarize the idea

the distance 2737 mkm shows **Uranus Effect On The Moon Orbit....**

i.e. Uranus effect is shown on point A (135.5 mkm)

Neptune effect is shown in **Neptune Orbital Distance**

(please review Solar Group Geometrical Structure <http://vixra.org/abs/1805.0081>)

So

- From 135.5 mkm to Pluto = 5734mkm = 4 x 1433.5mkm (Uranus effect)
- Neptune orbital distance = 4495.1 mkm = $\pi \times 1433.5 \text{ mkm}$ (Neptune effect)

So

The rate $(4/\pi) = 1.2727$ is found by **Uranus and Neptune effects**

This rate $((4/\pi) = 1.2727)$ is transported into the moon orbit in form 127.2727 (=400/ π)

This rate (127.2727) we have discussed in my previous paper

Solar Planet Motion Trajectory Is A Square And Not An Ellipse <http://vixra.org/abs/1811.0135>

The rate transportation process is done by Saturn effects on the moon orbit geometry as well as on the solar group geometry

In fact the idea so complex to explain let's try to show it as clearly as possible

The Main Idea Summary

- The Solar Planets Orbital And Internal Distances Are Found By Geometrical Rules, depending on **Saturn Orbital Distance**
- Uranus and Neptune are perpendicular on the moon orbit (these 2 planets are on vertical level relating to the other solar planets)
- Saturn is found with the rest planets on the horizontal level.
- Saturn is found on the origin point of these coordinates. (so Saturn is the connecting point between Uranus and Neptune on one side and the other solar planets at the other side)
- Saturn transports the energy from Uranus and Neptune to the moon orbit...that's why the rate $(4/\pi)$ which is found by Uranus and Neptune effects are found in the moon orbit in form $(400/\pi)$... as we have discussed in the previous paper

Solar Planet Motion Trajectory Is A Square And Not An Ellipse <http://vixra.org/abs/1811.0135>

Pluto eccentricity distance = 1433.5 mkm = Saturn orbital distance ...why?

Because

- The planet eccentricity is found as a result of the interaction between the square and circular trajectories of motion (my claim)

What's the interaction?

- The rate " $(4/\pi) = 1.2727$ " expresses the interaction... that means the planets eccentricity is found as result of this rate which is found by Uranus and Neptune effects...
- Why Pluto eccentricity, specifically, equal this value 1433.5mkm? because the rate $(4/\pi) = 1.2727$ is found by distance from point A (135.5 mkm) to Pluto position...

It's clear that, I don't know the geometrical mechanism by which this process is done, but the data is so strong to support my claim.... And makes the idea as clear as the sun herself.

4- Energy Transportation Process

- 4-1 The Rate 127.2727 is transformed into Planets Axial Tilts
- 4-2 Saturn effect on the moon orbit creation
- 4-3 Why the planet motion trajectory is a square

4-1 The Rate 127.2727 is transformed into Planets Axial Tilts

The rate 127.27 is found in the moon orbit and covers the square trajectory by a circular one...

How this rate (which is produced in the moon orbit) can be covered all solar planets?

I-Data

Equation No. 4

$$\frac{127.2727}{118.3 \text{ Neptune Axial Tilt}} = 1.0725$$

Equation No. 5

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

II- Discussion

Equation no.5 we have discussed in this paper methodology... so let's discuss equation no. 4

Equation No. 4

Neptune axial tilt = 28.3 degrees...on horizontal level....

But on vertical level 28.3 degrees +90 = 118.3 degrees

So,

118.3 degrees is Neptune Axial Tilt on vertical level...

Equation no.4 tells us that, Neptune axial tilt on vertical level "118.3 degrees" is produced by lorentz length contraction effect.... That means Neptune axial tilt receives the energy from the rate (127.27) and transforms this same energy into the other planets axial tilts but on the horizontal level...

That means

The axial tilts of Earth, Mars, Saturn and Neptune all of them expresses the rate 127.27 which change the square trajectory to be seen as circular one

4-2 Saturn effect on the moon orbit creation

Part I

I- Data

Saturn circumference = Earth Moon distance (at total solar eclipse radius)

Table No.1

"The Solar Planets Diameters Total Relationship With The Moon Orbit"

If Earth diameter = 12756 km, is considered to be = $\mathbf{1}$

i.e. The Earth Circumference which = 40080 km, will be just = $\mathbf{2\Pi}$

So The Following Is Correct		Error
❖ Earth Circumference	= $\mathbf{2\Pi}$	-
❖ Solar Inner Planets diameter total	= $\mathbf{2\Pi}$	-
❖ Moon motion free space (from perigee to apogee) (the free space without the moon diameter)	= $\mathbf{2\Pi}$	1.3%
❖ Moon Perigee orbit radius	= $\mathbf{9\Pi}$	-
❖ Solar outer planets diameters total	= $\mathbf{9\Pi}$	-
❖ Moon orbit apogee radius	= $\mathbf{10\Pi}$	1.2
❖ All solar planets diameters total	= $\mathbf{10\Pi}$	1
❖ 2 Jupiter diameter + Saturn diameter	= $\mathbf{10\Pi}$	-
❖ Saturn Circumference = Moon orbit radius at total solar eclipse	= $\mathbf{9.5\Pi}$	-
❖ Jupiter Circumference	= $\mathbf{11\Pi}$	1.9
❖ The Sun diameter	= $\mathbf{11\Pi^2}$	1.2

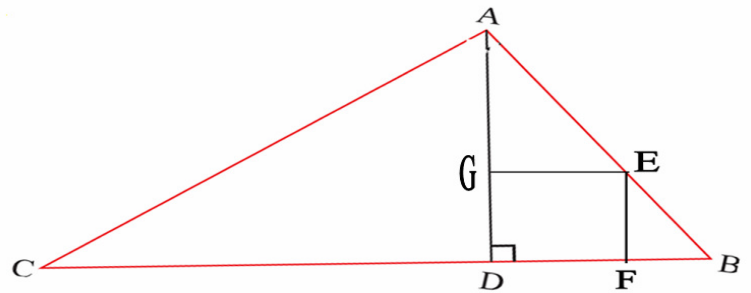
II- Discussion

The previous data we have discussed frequently beforeI still can't explain how this data is found, but the data supports my claims... that the solar group is one machine and the planet motion seen trajectory hides another one behind...

the final mechanism still needs more depth to see clearly as possible
but we see clearly enough that the current theory is insufficient and unqualified to understand and explains the solar system geometry

Part II

More Data



Let's suppose **C is Earth**

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

Details of CB

- CD= 363000 km =(Earth Moon Distance when the moon at perigee point)
- CF= 406000 km =(Earth Moon Distance when the moon at apogee point)
- DF=FB=43000 km (distance between perigee and apogee)
- AD is Perpendicular on the base CB where AD = DB = 86000 km
- EF=GD =43000 km (DFEG is a square its dimension =43000km)
- 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

More Data:

I- Solar Planets Diameters Total = 2 Jupiter diameters + 1 Saturn diameter

II- Jupiter Diameter = 2 Jupiter Circumference – 2 Saturn Circumference

III-

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

VI- CD = 363000 km = Perigee radius = outer planets diameters total

Discussion:

- In fact the previous triangle is hard to understand... ABC triangle is formed by values equal Saturn diameter, Saturn Circumference and Jupiter Circumference but the moon orbit main points are defined clearly by this triangle altitude and his parallel line created to divide DB into 2 partswhere Saturn Circumference = the moon orbital radius at total solar eclipse.... !
- I have tried frequently to show that there are **Geometrical Rules Behind The Matter Creation**...this is the main idea in my researchbecause the current theories suppose that the planets are created from an exploded star material by

gravity forces effect.... This concept is absolutely wrong because the planets matters (diameters and circumferences) can't be created by any random process... but by geometrical rules.. as we see clearly in the previous triangle..

Conclusions:

- Saturn and Jupiter Diameters are created in interaction with the moon orbit different radiuses!
- Saturn and Jupiter Diameters are created in interaction with the solar planets diameters!

4-3 Why The Planet Motion Trajectory Is A Square?

(1st) Reason

Let's remember

- Has the matter a real existence? Or we see the light beam in matter form?

We see the light beam in matter form (we see the bright fringes as matters)

- The light beam usual motion is a straight line or a curve?

The light usually travels in straight line

- So how the planet motion trajectory can be a curve, if the planet is a light beam?

(2nd) Reason

- The solar planets are found on different steps...!

i.e.

- Each solar planet is found on different step which makes the solar group as a ladder or upstairs.... So the planet motion trajectory square is more suitable than the ellipse

Why each planet is found on different step?

- Because each planet has different level or energy, and the Energy levels difference is seen vertically Which means the motion on vertical level shows the difference in the energy levels ...

Please review

Vacuum Energy Theory

<http://vixra.org/abs/1901.0163>

Author Other Papers

Solar Planet Data Geometrical Concepts disproves the Current Theory

<http://vixra.org/abs/1902.0230>

The Relativistic Effects Reason

<http://vixra.org/abs/1902.0097>

Life Is Found On Earth Only (Claim)

<http://vixra.org/abs/1901.0422>

Is the 2737 Phenomenon a Real One?

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

Vacuum Energy Theory

<http://vixra.org/abs/1901.0163>

The Moon Orbit Triangle

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

The Solar Day Production

<http://vixra.org/abs/1812.0426>

The Moon Orbital Motion

<http://vixra.org/abs/1812.0160>

Why Energy has Different Forms?

<http://vixra.org/abs/1812.0116>

Author 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>