

Moon Orbital Motion Analysis

Gerges Francis Twadrous

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

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

Abstract

Moon Motion Details

- Earth Moon is The Solar Group Energy Indicator
- Earth Moon moves with 2 different motions – they together create the moon motion distance =2.58 mkm = Earth motion daily
- **The Moon first Motion** is (The Train Motion Concept) –

Let's explain it in following

- The Solar System is a theater of puppets – puppets move by outer force- which cause their motion
- The solar planets move together in one unified motion as a train moves with all its carriages (a planet = a carriage) (The Train Motion Concept)
- **The Moon Second Motion** is Masses Gravity Motion which causes the moon daily displacement (88000 km)
- The solar system geometrical mechanism uses the moon motion (88000 km) (Moon Displacement daily) to produce the distance (2 x 88000 km) – where this distance is required to make the moon motion daily =2.58 mkm = Earth Motion daily

References

- The Moon Indeed Moves by Gravity <http://vixra.org/abs/1910.0001>
The Moon Indeed Moves By Gravity (II) <http://vixra.org/abs/1910.0013>
The Moon Indeed Moves by Gravity (III) <http://vixra.org/abs/1910.0063>
Is the 2737 Phenomenon a real one? (II) <http://vixra.org/abs/1908.0583>

- Gerges Francis Tawdrous +201022532292
Curriculum Vitae <http://vixra.org/abs/1902.0044>
E-mail mrwaheid@gmail.com
LinkedIn <https://eg.linkedin.com/in/gerges-francis-86a351a1>
Facebook <https://www.facebook.com/gergis.tawadrous>
Twitter <https://twitter.com/TawdrousF>
Academia <https://rudn.academia.edu/GergesTawadrous>
All my papers http://vixra.org/author/gerges_francis_tawdrous

The Assumption Of S. Virgin Mary.

Written in Cairo – Egypt

7th October 2019 (S. George)



1- Introduction

Let's remember my suggested theory about Earth Moon Orbital Motion – because we will analyze it in this paper – so let's review it here before to start.

The moon motion defines 4 basic points which are:

- Perigee radius =363000 km = Earth Moon Distance to perigee point which is the most near point the moon can reach to Earth.
- Total solar eclipse radius =377000 km = Earth Moon Distance when the moon be in total solar eclipse most far point.
- Moon Orbital Distance =384000 km (A Registered Value)
- Apogee radius =406000 km = Earth Moon Distance to apogee point which is the most far point the moon can reach from Earth.

Let's review this suggested theory in following:

- The moon moves 2.58 mkm per solar day equal to Earth motion distance (2.58mkm) per solar day – and by such way – the moon and Earth will not be separated from Each other during their motions course
- The Moon motion is similar to Earth Manner Motion – as Earth revolves around the sun and moves with straight trajectory inclines with less than 1 degree daily – similar to that the moon moves daily to keep his fellowship to the Earth during the motions course.
- We know that there are relativistic effects in the solar system which cause different length contraction rates which are $(1.0725- 7.1- 71 - (7.1)^2 - (71)^2)$ We had discussed the relativistic effects in the solar system frequently before and provided many proves about them. Please review (Relativistic Effects Discussion) <http://vixra.org/abs/1907.0523>
- The length contraction effect with rate 1.0725 effect on The Moon Daily Motion which is (2.58 mkm) to contract it and be = (2.41 mkm)
- The relativistic effects are found inevitably on the moon motion distance daily because by these relativistic effects the matter is created (moon diameter and mass) – that means we see the moon as a planet based on relativistic effects which cause also the contraction for his daily motion from the original value 2.58 mkm to be 2.41 mkm by length contraction rate =1.0725
- Because the moon daily motion is contracted from 2.58 mkm to 2.41 mkm – that causes a difference in velocities between Earth and Moon Motions – so they don't move by equal velocities after the contraction effect.
- We may remember Einstein rock which he left to drop from the moving train- where Einstein have seen the rock dropped in straight trajectory of motion but the people on platform have seen the rock moves in parabola (why the motion trajectories are different? Because there's a difference in velocities between the moving train and the platform)

- Similar to that –there's a difference in velocities between Earth and Moon motions (this difference is found by the contraction effect on the moon motion distance daily)– where the moon motion should be in straight trajectory as similar to Earth motion trajectory to keep his fellowship to Earth – but the difference in velocities causes the moon motion to be seen in parabola form.
- Now the moon contracted motion distance =2.41 mkm and is done in parabola form – but based on that the moon must be separated from Earth during their motions course.
- The **Masses Gravity** forces attack the moon and force him to move an additional distance =88000 km daily (The Moon Daily Displacement)
- The solar system geometrical mechanism uses 88000 km to produce double this value = 88000km x 2 which is the required distance (2.41 mkm+ 2 x 88000 km =2.58 mkm) to keep the moon with Earth without separation in motion.
- The geometrical mechanism depends on Saturn & Uranus relationship – we here in this paper will analyze this mechanism to see how the value 88000 km is transformed to be 176000km – which proves that the solar group is one machine and moves as a train (with all carriages move together –similar to that – the solar system moves with all planets together)
- The moon contracted motion (2.41 mkm) is done in parabola form – that means – the additional motion (88000 km daily) (moon daily displacement) **will be done also in parabola form** – which creates the elliptical form for the full cycle (27.3 days) (Moon Orbital Motion)
- Because the moon daily displacement (88000 km) is done in parabola form- for that reason – the moon motion will be seen in elliptical form
- Based on that – the final distance (2.41 mkm+ 2 x 88000 km =2.58 mkm) – this distance (2.58mkm) will be seen also in elliptical form – that's why the moon orbital circumference at apogee radius (r=0.406 mkm) =2.58 mkm = Earth Daily Motion.

The previous explanation answers clearly our old question

Why Earth Daily Motion Distance = The Moon Orbital Circumference At Apogee Radius = Moon Daily Motion Distance?

Let's start our analysis immediately

2- Methodology (Methodology Is Repeated In All My Papers)

Methodology is mentioned in the previous paper

Why Saturn Orbital Distance = Saturn Uranus Distance? (II)

<https://www.slideshare.net/Gergesfrancis/why-saturn-orbital-distance-saturn-uranus-distance-ii>

or

https://www.academia.edu/40534625/Why_Saturn_Orbital_Distance_Saturn_Uranus_Distance_II

3- The Moon Daily Displacement Analysis

3-1 Preface

3-2 Moon Displacement Explanation

3-3 Moon Motion Discussion

3-1 Preface

What's this theory basic point? What's important idea it tells us??

The basic point here is the difference in velocities between Earth and Moon motions

This idea creates some questions – let's move with it step by step

(1)

The moon has to move 2.58 mkm daily = Earth motion –(we know that)

(2)

"There are relativistic effects causes the moon motion distance to be contracted"

(3) **The Main Point**

Now there a difference in velocities is created between Earth and Moon Motions

This is the point which we search for – because by this difference in velocities – the moon motion which should be done – similar to Earth Motion – in straight line will change to be in parabola which creates the moon trajectory elliptical form ...

Still we have difficulty here

Because if there's a difference in velocities that means

(4)

Earth and Moon will be separated from each other during their motions!

But this is never happened! Which disproves the theory...!

(5)

The claim tells that

Masses Gravity causes Moon Motion for its daily displacement (88000 km) and the solar system uses this distance (88000km) to create the double value (2 x 88000km) which is required to perform a recovery for the moon motion- so the moon motion distances total (2.41 mkm+0.17 mkm) =2.58 mkm = Earth Motion daily – So they will not separate from Each other..

Now we have 2 questions to deal with in this paper

(1st) How the solar system uses the distance 88000 km to produce the double value (2 x 88000km) ?

(2nd) If the moon motion distances total = Earth motion daily! Where is the difference in velocities? And how the trajectory elliptical form is created?! (this question answer should prove that we deal with 2 different motions are done by the moon!)

Question No 1 will be discussed in point no. (3-2)

Question No 2 will be discussed in point no. (3-3)

In Point No. 4 we discuss the moon orbit energy analysis

3-2 Moon Displacement Explanation

We here answer the 1st Question which is:

How the solar system uses 88000 km to produce the double value (2 x 88000km)?

I-Data

(1)

(Sun Mass / Jupiter Mass) x 1.3 (Jupiter orbital inclination =1.3 degrees) =1361

(2)

119.7 mkm = 1361 x 88000 km (Moon Daily Displacement) =176000 x 680

(3)

(5832.5 hours = Venus rotation period) / (24.6 hours = Mars rotation period) =237

(4)

5832.5 hours = Venus rotation period x ($\pi+1$) (14076 hours Mercury rotation period)

(5)

Mercury orbital period =88 days and Mercury day = 176 days

(6)

1 day = 1000 km

II-Discussion

To summarize the idea clearly – what's the question?

How the 88000 km can be 176000 km?

If 1 day = 1000 km (in place of 1 mkm) so in this case

88 days (Mercury orbital period) will be used in place of the number 88000 km (Moon Displacement daily)

176 days (Mercury Day Period) will be used in place of 176000 km (The required distance daily)

Shortly

Mercury orbital period 88 days is created depending on the moon daily displacement 88000 km and Mercury Day period 176 days is created depending on the required distance (88000 km x2) to make 2.41 mkm equal 2.58 mkm.

Simply Mercury orbital period is created according to the moon daily displacement, and Mercury day is created accordingly – now because Mercury day =2 Mercury orbital periods- the produced distance will be equal 2 x 88000 km

How this is happened?

By what geometrical mechanism this is happened

Let's answer that with the equation discussion in following

Equation No. (1)

(Sun Mass / Jupiter Mass) x 1.3 (Jupiter orbital inclination =1.3 degrees) =1361
This equation gives a trustee feeling because it's a rate between 2 the basic data
From this we need the rate 1361 only

Equation No. (2)

119.7 mkm = 1361 x 88000 km (Moon Daily Displacement) =176000 x 680
119.7 mkm (Venus Mars Distance)

In previous series of papers (Indeed The Moon Moves By Gravity) we accepted that
– the moon moves daily 88000 km by effect of Mars mass relative to Earth mass
So the motion (88000 km) is done by Mars effect on the moon orbit
This distance 88000 km will be transported from Mars to Venus

But that happened based on the rate 1361 which tells that – this energy transportation
process is done as a general effect in the solar system where the rate 1361 is created
as rate between the solar system 2 basic masses.

Equation No. (3)

(5832.5 hours = Venus rotation period) / (24.6 hours = Mars rotation period) =237

If 1 solar day on The Sun = 1 sidereal year on Earth – as we have explained before
So

1 solar day on Earth =237 seconds on the sun

That tells us – Venus Mars Relationship by which the energy (88000 km) is
transported from Mars to Venus – this relationship does a real effective role in the
solar system. Because based on this rate the difference in time rates between the sun
and the Earth is created...

Equation No. (4)

5832.5 hours = Venus rotation period x ($\pi+1$) (14076 hours Mercury rotation period)

Venus rotation period transports the energy directly to Mercury – please note
Mercury Velocity Daily = 4.095 mkm/ per solar day – this velocity = ($\pi+1$) x 0.99
Which makes the equation more clear and trustee

Equation No. (5)

Mercury orbital period =88 days (is relative to Moon displacement daily 88000km)
and Mercury Day = 176 days (is relative to the required distance 176000 km)

Shortly – Mercury periods (88 days and 176 days) are created relative to the moon
daily motions (88000 km and 176000 km)..... Please review

Time And Distance Equivalence (Proves) <http://vixra.org/abs/1904.0125>

Equation No. (6)

1 day = 1000 km

We know that 1 mkm = 1 degree = 1 day

The previous equations use 1 day = 1000 km

Why?

Because the solar system needs the other 1000 – for what?

(a)

Venus axial tilt before Earth Moon creation – was 1.774 degrees ($= \pi^{0.5}$)

So the solar system needs 100 to correct it

$1.774 \times 100 = 177.4$ degrees (Venus Axial Tilt)

Also

177.4×1461 days = 25920 mkm x 10

But

25920 mkm = light (0.3mkm/sec) passes this distance during a solar day period (86400 seconds)

This is the required 1000

Conclusion

Because Mercury orbital period (=88 days) and his day period (=176 days)

The moon daily displacement (88000 km) be doubled to be (176000 km)

So the solar system mechanism uses 88000 km (moon daily displacement) to produce 176000 km – through Mercury Time Data

3-3 Moon Motion Discussion

Why this idea is unclear?

Because we depend on the difference in velocities to create the motion trajectory elliptical form – and then – we discovered that the moon reaches to the same point in the same time with Earth Motion – and where is this difference in velocities??

How the solar planets move?

By "**The Train Motion Concept**" (My Research 2nd hypothesis)

Let's remember the research hypotheses in following

Research Hypotheses

Hypothesis No.1: Solar System is One building (or one machine) and each planet is a part of this same building.

Hypothesis No.2: Solar System moves as a train. i.e. A train moves with its carriages together, similar to that – Solar Planets move together as one train in one unified motion i.e. No Planet moves individually or independently from other planets motions (I call this idea "**The Train Motion Concept**")

Hypothesis No.3: Planet motion for 1 solar day depends on energy of light motion for 1 second period – that means – Planet moves following light motion – i.e. – Planet motion shows double motions – (1st) Light Motion (2nd) Its Follower Planet Motion

Hypothesis No.4: Solar System Unified Motion depends On Solar Day Period

Hypothesis No.5: Matter Creation process depends on solar day period of time – that means – Matter creation process depends on the time as one of its main components

For discussion review "My Research Hypotheses" <http://vixra.org/abs/1909.0406>

According to 2nd hypothesis – Solar Planets move together as a train carriages

We agreed that – the solar system is a puppets theater where all puppets (planets) are connected together by one trajectory of energy which causes this unified motion – means Earth and her Moon move by this unified motion with other planets – and this motion makes Earth moves a distance =2.58 mkm – and her moon also moves a distance =2.58 mkm –

Because of the relativistic effects the moon motion 2.58 mkm will be 2.41 mkm

Through relativistic effects the matter is created – means – because we see the moon – that necessitates the moon to pass through relativistic effects...

After relativistic effects – the moon will be a planet – but still connected by the energy trajectory – the energy trajectory effect on the moon should pass also the relativistic effects – then the moon – as matter will move by gravity forces – here we have 2 different motions between them there are relativistic effects that's why the difference in velocities between Earth and Moon motions is truth – because we have on player move in 2 different frame together – in more clear words – the moon moves as a light beam and as a matter (Particle) in the same time

So these are 2 different motions – one motion is done by a light beam and the second is done by the matter (mass)

i.e.

the moon does a miracle daily!

So

We have 2 different motions which means – the moon velocity will be different from Earth velocity which creates the elliptical form for the moon motion trajectory

Now

How these distances are added to each other to produce the moon final motion?

The moon as matter is still connected to the light beam they moves together – but how these distances are added to each other?! This question needs a separate thesis – simply because we need to answer the hard question before...

Let's discuss this hard question only here – and we know the distances are added and produced a final distance = Earth motion –

A hard question (Relativistic Effects Analysis)

What's happened for the geometrical structure in which the distances are contracted by length contraction effect?

For example

We have a square – its diagonal is effected by length contraction effect – after the contraction this diagonal becomes equal the square side –what's the happened change for this square? It's only a simple question

Shortly We need to know

How the relativistic effects effect on the geometrical structures?

Only based on this answer we can discover how these distances are added to each other...

(Please Note – the naïve description that any geometrical structure moves together and the effect will be proportional – is a Wrong description – because we have seen frequently in the solar system parts effected and part aren't effected by relativistic effects which means the relativistic effects can cooperate in harmony with other geometrical structures and we need know based on what geometrical rules this cooperation can be done)

4- The Moon Orbit Energy

4-1 The Idea Revision

4-2 The Idea Proves

4-1 The Idea Revision

- The solar system is a puppets theater – The planets are connected with each other by one trajectory of energy
- The solar system can be seen as a triangle or pyramid of energy because all solar planets revolve around the sun – so the sun is its apex.
- This triangle (or pyramid) of energy is reflected inside Earth Moon Orbit – and based on that – Earth Moon Orbit will be also a smaller triangle of energy – where Earth will be this triangle apex –
- Because the sun and Earth expresses the same energy (in 2 different forms) – so these 2 points form the solar system basic two points and depending on them the solar system does its motion.
- Note Please – the solar system energy behaves as light beams – that's why this energy is reflected inside the moon orbit
- Based on this idea the moon orbit contains all solar group reflected energy
- The energy in the moon orbit can be similar to the sea water and the moon is a paper boat sails on this sea water
- That means the moon is an indicator for all the solar group energy changes ...
- Because the solar planets are found and move by a geometrical structure and geometrical rules... the moon orbit also is found based on this same geometrical structure and uses these same geometrical rules

That means:

- The Moon motion shows all solar group energy changes and passing (as a mirror shows all the room furniture)
- The Moon motion changes show greater changes are found in the solar group

How to prove this idea?

We have to provide 2 proves

(1st proof) that – The Solar System Is In An Energy Triangle (Or Pyramid) Form

(2nd proof) that – This triangle (or pyramid) form is reflected inside the moon orbit

Let's try to provide these proves in the following point

4-2 The Idea Proves

I-Data

Mercury Neptune Distance = 4437.2 mkm = Saturn Pluto Distance (error 0.8%)

Mercury Saturn Distance = 1375 mkm = Neptune Pluto Distance (error 2.6%)

So

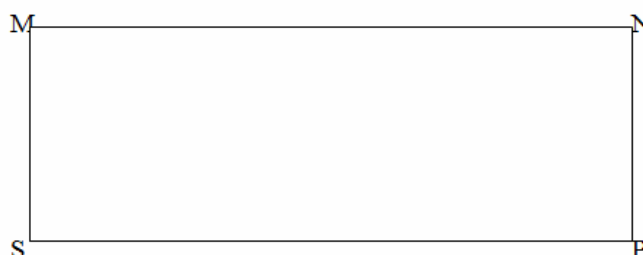
We have 4 points can create a rectangle

Mercury = M

Saturn = S

Neptune = N

Pluto = P



I claim this is the pyramid base

These four points consist the energy pyramid base whose apex is the sun

Please Note

(1)

The big error is found because Pluto registered orbital distance from 5870 mkm to 5906 mkm – the new value causes the great errors – but the old value causes no error at all)

(2)

The solar system distances we have discussed deeply in the previous paper – so we will not deepen our discussion here

What we want to do here?

I claim that - the solar system energy pyramid is reflected inside the moon orbit

And

This rectangle provides us the 4 points which consist the pyramid base

So

Can we find these 4 points inside the moon orbit?! Of course Yes...

The moon motion defines only 4 points during its course which are:

Apogee radius = 406000 km = Pluto motion distance per solar day

Moon orbital distance = 384000 mkm = 5906mkm x2 x0.384 mkm = 4495.1 mkm²
(5906 mkm = Pluto orbital distance and 4495.1 mkm = Neptune orbital distance)

Total solar eclipse radius = 377000 km = Saturn Circumference

Perigee radius = 363000 km = 15334 km (Mercury circumference) x 23.6
(23.6 degrees = outer planets orbital inclinations total and 23.6 deg x 0.99 = 23.45 deg)
(23.45 degrees = Earth axial tilt)

Conclusion

The Moon Motion 4 Points are defined based on the rectangle 4 points which prove the idea that – The solar system Pyramid Energy is reflected inside the moon orbit.