

The Moon indeed moves by Gravity (II)

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Abstract

- Masses Gravity Forces cause Earth Moon motion for its daily displacement (88000 km)
- Without this motion – the moon should be separated from Earth during their motions course
- Because Solar Planets Masses are created depending on each other – the masses forces which cause the moon daily displacement motion isn't Earth Mass
- Instead – Mars Mass – in behalf of – the inner planets masses total – pushes Earth moon daily to move its displacement (88000 km).
- The Moon Motion is a treasure through which many solar system geometrical concepts can be discovered among which:-
 - o Solar System Relativistic Effects
 - o Planets Masses Creation Dependency On Earth other
 - o Mars motion interaction with Earth and Moon motions

References

The Moon Indeed Moves by Gravity	http://vixra.org/abs/1910.0001
My Research hypotheses	http://vixra.org/abs/1909.0406
Research 1st hypothesis Discussion	http://vixra.org/abs/1909.0562
Research 1st Hypothesis Discussion (II) (Revised)	http://vixra.org/abs/1909.0661
A Research Summary (3) (Relativistic Effects Discussion)	http://vixra.org/abs/1907.0523
Is the 2737 Phenomenon a real one? (II)	http://vixra.org/abs/1908.0583

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The Assumption Of S. Virgin Mary.

Written in Cairo – Egypt

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1- Introduction

Again – in great pleasure – we have to send the best regards to Issac Newton- the genius scientist – who provided a favor for all humanity – where every one of us follows his science as a light beam, enlightening our dark night

The Mass gravity – the concept which has faced a great fighting for hundreds of years – still after the fighting long time – juts able to still survive showing himself as a trustee concept discovered by sharp eyes and brilliant mind – **Amazing Concept-**

Once again – in all my papers – I never be against any trustee concept in physics – my basic point of fighting is the description

The imaginary description

"The mass is found independent as a fact regardless any other outer reason"

How any thing can be independent in the solar system?

It's a machine of gears – every thing depends on others – nothing is independent

Now we have to prove again – how the solar system can be a machine of gears!- I have written tenth of papers to prove this concept

The basic difficulty is in the description – Mass Gravity is a correct concept – but the mind thinks that Earth mass is independent from Venus mass and from Mars Mass!

Resulting the conclusion- **The Moon Moves By Earth Mass Effect!!** -

But that's NOT TRUE – because Earth mass itself is created depending on other planets masses –

Let's try with an old example:

Earth mass = 4 inner planets masses total! why?? In double production experiment electron and positron are created from Gamma rays (1.2 Mev) – that means 2 equal masses are created from electromagnetic wave – **I don't say**– Earth and the rest 4 inner planets are created from Gamma rays by this experiment method – **I say** - there are ways in nature can produce 2 particles with equal masses (depending on each other) - and we have 2 equal masses – so may be one of these methods created them.

But

The description in mind tells us that – NO – the Mass is created independently – and the planets data is created by pure coincidences!

But

As Earth mass = the rest 4 inner planets – as that – also

Neptune Mass = all rest planets (without Jupiter and Saturn)

Means such equality can't be created by pure coincidences but created (repeating) by some geometrical reason which makes the mass is a planet another feature as similar to its diameter, orbital inclination or axial tilt.... And all these features are created depending on each other – as we have proved frequently- so the mass can be dealt by the same way –

What we try to do in this paper?

It's the mass gravity which pushes the moon to move its daily displacement (88000km) but NOT Earth mass – **It's the planet masses interaction which do.**

2- Methodology (I used the same methodology in all my papers)

Methodology is mentioned in my previous paper

Research 1st hypothesis Discussion (II) (revised) <http://vixra.org/abs/1909.0661>

3- Moon Daily Displacement

3-1 Earth Moon Motion (Revision)

3-2 Solar Planets Masses Distribution

3-3 Moon Displacement is done by Mars Mass Effect (**Paper Basic Discussion**)

3-1 Earth Moon Motion (Revision)

(We study **Earth Moon** Motion)

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.

We have a clear and simple idea let's write it as clear as possible

- 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 have discussed the relativistic effects in the solar system frequently before and provided many proves about them (Please review "Paper References")
- The length contraction effect with rate 1.0725 is effected on The Moon Daily Motion which is (2.58 mkm) to make it contracted 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 force the moon 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 system geometrical mechanism means the relationship between Uranus, Saturn and Earth (and Earth Moon accordingly) – this relationship which depends on the light motion for 1 second and based on it the whole solar system is created – we have discussed this relationship deeply in my previous paper (Research 1st Hypothesis Discussion (II) (revised)) (Paper References)
- 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 (seen) 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?

3-2 Solar Planets Masses Distribution

I-Data

Group No. 1

Equation No. a (Error 2.8%)

$$\frac{\text{Mercury Mass}}{\text{Neptune Mass}} = \frac{\text{Earth Mass}}{\text{Jupiter Mass}}$$

Equation No. b (Error 1.5 %)

$$\frac{\text{Venus Mass}}{\text{Mercury Mass}} = \frac{\text{Uranus Mass}}{\text{Earth Mass}}$$

Equation No. c (Error 3.8%)

$$\frac{\text{Solar Planets Masses Total}}{\text{Satrun Mass}} = \frac{\text{Mercury Mass}}{\text{Moon Mass}}$$

(Moon = Earth Moon)

Equation No. d (No Error)

$$(\text{Earth Mass})^2 = 100 \times (\text{Venus Mass}) (\text{Moon Mass})$$

Equation No. e (Error 0.7%)

$$\frac{\text{Mercury Mass}}{\text{Earth Mass}} \times 100 = \frac{\text{Satrun Mass}}{\text{Neptune Mass}}$$

Equation No. f (Error 0.7%)

$$\frac{\text{Neptune Mass}}{\text{Satrun Mass}} \times 100 = \frac{\text{Uranus Mass}}{\text{Venus Mass}}$$

Equation No. g (Error 1%)

$$\frac{\text{Uranus Mass}}{\text{Jupiter Mass}} \times 100 = \frac{\text{Mercury Mass}}{\text{Moon Mass}}$$

Equation No. h (Error 1%)

$$\frac{\text{Jupiter Mass}}{\text{Venus Mass}} \times 100 = \frac{\text{Satrun Mass}}{\text{Pluto Mass}}$$

Group No.2

Equation No. i

$$(\text{Satrun Mass} / \text{Uranus Mass}) \times 10 = (\text{Venus Mass} / \text{Moon Mass}) \quad (\text{Error } 2 \%)$$

Equation No. j

$$(\text{Earth Mass} / \text{Satrun Mass}) \times 10 = (\text{Mars Mass} / \text{Earth Mass}) \quad (\text{Error } 2.2 \%)$$

Equation No. k

$$(\text{Mercury Mass} / \text{Mars Mass}) \times 10 = (\text{Moon Mass} / \text{Pluto Mass}) \quad (\text{Error } 2.8\%)$$

Equation No. l

$$(\text{Uranus Mass} / \text{Neptune Mass}) \times 10 = (\text{Mars Mass} / \text{Moon Mass}) \quad (\text{Error } 3.2 \%)$$

Group No.3

Equation No. m Saturn Mass = 116.75 Venus Mass

Equation No. n Jupiter Mass = 3.4 Saturn Mass (Error 1.7%)

More data

I-Data

- The solar group total mass = $2667 * 10^{24}$ kg,
- This mass total is divided into 2 parts with rate 1: $(3.66)^2 = 200 : 2467$
- Value $2467 * 10^{24}$ kg is divided with rate 3/10 (Saturn Mass/Jupiter mass)
- **$200 * 10^{24}$ kg is separated into 2 equal parts 100 (Neptune Mass) + 100 (others mass)**
From this distribution, we found that,
- $100 * 10^{24}$ kg (the rest after Neptune) is separated to 88 Uranus + 12 the rest
- **$12 * 10^{24}$ kg is separated into 2 equal parts 6 (Earth Mass) + 6 (total masses of Mercury + Venus+ Moon +Mars)**

II- Discussion

The Previous Data shows that –

Solar Planet Mass can't be created independently from other planets masses

Simply planet mass is created relative and depending on other planets masses

3-3 Moon Displacement is done by Mars Mass Effect (Paper Basic Discussion)

I-Data

Group No. 1

- 1- (Earth Mass/ Mars Mass) = 9.3 (9.42 x 0.99=9.3)
- 2- (Mars Mass / Moon Mass) = 8.8
- 3- Mars orbital period 687 days =
=365.25 days (Earth orbital period) x 1.9 (Mars orbital inclination 1.9 degrees)
=27.3 days (Moon orbital period) x 25.2 (Mars axial tilt 25.2 degrees)
- 4- 25.2 degrees (Mars axial tilt) = 13.18 degrees (Moon Motion daily) x 1.9

Group No. 2

- 5- (Inner Planets Masses Total / Earth Mass) = 2
- 6- (Mars mass / Mercury Mass) = 2 (error 2.7%)

Group No. 3

- 7- (Venus Mass / Earth Mass) = 0.815
- 8- (Earth mass /Moon Mass) =81.5

I-Discussion

Gravity masses push the Moon to move its daily displacement (88000 km)
How that's happening??

The story starts by Data Group No.2

We remember that

Uranus orbital Distance = 2 x Saturn orbital distance – and we have asked why?

And how? Because Uranus and Saturn orbital distances should be defined distances for solar system one unified motion per solar day – and it was strange that – one motion creates in one period of time 2 different distances

The question was how? And the answer was because Earth Moon is a working gear between Uranus and Saturn – so the moon motion uses Saturn orbital distance to produce Uranus orbital distance (x 2) or vice versa

So the moon main job is to create the double value (of Saturn orbital distance) or to divide by half (Uranus orbital distance)!

How the moon does that?

Because the moon daily displacement =88000 km (which is done by masses gravity) and he has to move a double distance =88000 km x 2

The solar system geometrical mechanism creates the required distance and by this same machine Uranus and Saturn orbital distances are created

Research 1st Hypothesis Discussion (II) (Revised) <http://vixra.org/abs/1909.0661>

Group No. 2

$$5- (\text{Inner Planets Masses Total} / \text{Earth Mass}) = 2$$

$$6- (\text{Mars mass} / \text{Mercury Mass}) = 2 \quad (\text{error } 2.7\%)$$

Previous equations tell the meaning clearly – inner planets masses create the rate =2 with Earth mass (Moon parent)

And this same rate (2) is transported to define the masses rate between Mercury and Mars (Why??) because Mercury is the first inner planet and Mars the last one

The rate is the same (double value =2) and transports from the inner planets masses total to Mars Mass – that's why Mars pushes the moon to do its displacement – because Mars Mass works in behalf of all inner planets Masses

Now let's see how Mars does that

Group No. 1

$$1- (\text{Earth Mass} / \text{Mars Mass}) = 9.3 \quad (9.42 \times 0.99=9.3)$$

$$2- (\text{Mars Mass} / \text{Moon Mass}) = 8.8$$

$$3- \text{Mars orbital period } 687 \text{ days} =$$

$$= 365.25 \text{ days (Earth orbital period)} \times 1.9 \text{ (Mars orbital inclination } 1.9 \text{ degrees)}$$

$$= 27.3 \text{ days (Moon orbital period)} \times 25.2 \text{ (Mars axial tilt } 25.2 \text{ degrees)}$$

$$4- 25.2 \text{ degrees (Mars axial tilt)} = 13.18 \text{ degrees (Moon Motion daily)} \times 1.9$$

More Discussion

The data is clear and strong

Almost Earth and Moon Motions Data corresponds to Mars Data (as points no.3 and 4 show that clearly)

But where the Mass Gravity??

Equation no.1

$$(\text{Earth Mass} / \text{Mars Mass}) = 9.3 \quad (9.42 \times 0.99=9.3)$$

$9.42 = 3\pi$ = this is the rate between Earth and Saturn data – which we have discussed deeply in Research 1st Hypothesis Discussion (II) (Revised) <http://vixra.org/abs/1909.0661> (page no. 26)

because this rate is so important for Earth and Saturn – it shows that the effect on Mars is deeply and effective

Equation no.2

$$(\text{Mars Mass} / \text{Moon Mass}) = 8.8$$

This is the equation based on which the moon daily displacement (88000 km) is created where ...88000 km = 8.8 x 10000

But

$$10000 = \underline{\text{Light Velocity} / \text{Earth Velocity}}$$

Group No. 3

7- (Venus Mass / Earth Mass) = 0.815

8- (Earth mass /Moon Mass) =81.5

Deep Discussion

Equation no. 8 = Equation no. 7 x 100

Simply (0.815) x 100 = 81.5 (100)² =10000

That tells us – Venus mass works as a base for the moon displacement motion

But Mars works as the player – that tells us why Mars Data is in harmony with Moon motion

But – also Venus data shows some effect on the moon motion – for example

Venus moves daily 3.02 mkm which we may consider =3.02 degrees

3.02 degrees x 2π = 19 degrees

The moon orbit regresses yearly 19 degrees – we know now that – Venus is the reason for this regression

Shortly –

The data shows that Masses Gravity push the moon for its daily displacement – but – that happens also through the solar system interaction geometry and not by any individual mass – that explains why the moon orbit data expresses all solar planets

For example

1- Moon Perigee radius =363000 km = outer solar planets diameters total (1%)

2- Moon Apogee radius =406000 km = solar planets diameters total

3- Perigee Apogee distance (space only) = inner planets diameters total

Such data is found basically because of the cooperative effect on the moon motion is done by different solar planets to push the moon to perform its daily displacement.

Note Please

(1)

(Solar Planets Masses Total) / (Uranus Mass) = π³ x 0.99

I wish we remember Space Main Equation

90000 mkm = π³ x 2872.5 mkm (Uranus Orbital Distance)

Where π³ was the main factor on which Uranus depends to create its orbital distance

We should have more confidence in our explanation where the similar data supports the same direction ...

So π³ was the main player in Uranus (general) Data

Research 1st Hypothesis Discussion (II) (Revised) <http://vixra.org/abs/1909.0661>

(page no. 14)

(2)

Equation No. m Saturn Mass = 116.75 Venus Mass

Venus day =116.75 solar days

That shows how the masses rate effect on the planet own motion and geometrical structure