

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

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Abstract

- The Solar System moves one unified motion - as the train moves with its carriages the solar system moves with all planets together one unified motion. (2nd hypothesis)
- Planets different velocities don't disprove that- where – a machine of gears has one motion but different velocities of its gears.
- Based on that – the solar system (all planets together) moves during a solar day a distance = 1433.5 mkm = Saturn Orbital Distance. The solar system depends on the solar day as its period of time.
- The distance 1433.5 mkm is energy – reflected at Saturn – to produce an equal distance 1433.5 mkm = Saturn Uranus Distance (note please – I suppose distance can behave as a light beam and by such way it can be reflected where Space= Energy)
- Earth Moon Motion effects greatly on Saturn energy reflection process and that's the reason behind the relationship between Earth Moon Motion and Saturn data ..
- Shortly –Earth Moon interacts with Saturn and Uranus Distances which perform the energy reflection process and create the relationship between Saturn, Uranus and Earth Moon

References

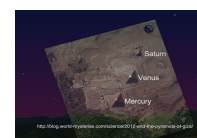
- The Moon Indeed Moves by Gravity <http://vixra.org/abs/1910.0001>
The Moon Indeed Moves By Gravity (II) <http://vixra.org/abs/1910.0013>
The Moon Indeed Moves by Gravity (III) <http://vixra.org/abs/1910.0063>
Is the 2737 Phenomenon a real one? (II) <http://vixra.org/abs/1908.0583>
Why Saturn Orbital Distance = Saturn Uranus Distance? <http://vixra.org/abs/1904.0108>

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The Assumption Of S. Virgin Mary.

Written in Cairo – Egypt

6th October 2019 (S. George)



1- Introduction

Why Saturn orbital Distance = Saturn Uranus Distance?

We have discussed this question before – but because we new ideas about the solar system geometry which makes the picture much better

We may add detailed answer for this question in this paper

Now let's review the puzzled data which caused this question

We have observed before that:

- **Saturn Orbital Distance** =1433.5 mkm
 - = Saturn Uranus Distance
 - = Mars Orbital circumference
 - = Pluto eccentricity distance
 - = 0.5 Uranus Orbital distance
 - = 2 Mercury Jupiter distance
 - = $(1/\pi)$ Neptune orbital distance

Then we have asked why these distances are equal? And to simplify the question – we have asked – why Saturn orbital distance – Saturn Uranus Distance

The puzzled data was unanswered and has no explanation – and in the previous paper (Why Saturn Orbital Distance = Saturn Uranus Distance? <http://vixra.org/abs/1904.0108>)

I have written the data as puzzled data needs explanation

Here we have better chance in our discussion....

But before we have to remember my research 5 hypotheses – because we need them

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

Important Data

The solar system moves as a train one unified motion – in this motion – the solar system (all solar planets together) moves a distance =1433.5 mkm = Saturn Orbital distance during 86400 seconds = A solar Day.

According to hypothesis No. 3 –

Planet motion for 1 solar day depends on light motion for 1 second – and that means – the solar system motion for 1 solar day depends on light motion for 1 second...

Based on that

Saturn orbital distance = 1433.5 mkm is created by the solar system motion (all solar planets together) for 1 solar day

Do we remember the question?

Why Saturn orbital distance = Saturn Uranus Distance??

Saturn orbital distance 1433.5 mkm is created by the solar system motion for 1 solar day – and –

Saturn orbital distance = Saturn Uranus distance!

Means

Uranus orbital distance is created by the solar system motion for 2 solar days

But

The energy is energy of light motion for 1 second??

And 1 second period of light motion causes planet motion for 1 solar day only!!

How Uranus orbital distance is created?!

How to solve this question? The idea is so simple But please take care – it's a simple form of the solution idea – the full discussion will be inside the paper – it's complex one – so – please don't let the simple idea deceives us ...

How Uranus Orbital distance is created?

Saturn orbital distance is created by the solar system motion for 1 solar day – so the distance 1433.5 mkm is created during a solar day –

Let's follow this distance transportation to see where it will reach?

First from where this distance is started? From the sun – Why? Because – I claim the solar system moves as a train one unified motion – and based on this on motion the distance 1433.5 mkm is produced – the **First Clear Point** in which all planets may unify their velocities with each other is **The Sun** why? Because all planets revolves around the sun in the same direction to give some feeling of general harmony and unification....so the start point is the sun

Second where this distance will reach? Saturn ...it's clear and easy answer

Third what will happen later? The distance (energy similar to light beam) will reflected (as light beam reflection) – the reflection is done inside Saturn (Planet Matter) in multiple reflection times - The produced reflected beam (distance) will move from Saturn to Uranus

That's why Saturn orbital distance = Saturn Uranus distance – because both of them light beams reflected from each other (Please Note – this is a simple example and not the facts – the real geometrical description will be explained inside this paper)

IN THE ALMIGHTY GOD NAME
Through the Mother of God mediation
I do this research

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

Planetary Fact Sheet – Metric

	<u>MERCURY</u>	<u>VENUS</u>	<u>EARTH</u>	<u>MOON</u>	<u>MARS</u>	<u>JUPITER</u>	<u>SATURN</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>
Mass (10 ²⁴ kg)	0.330	4.87	5.97	0.073	0.642	1898	568	86.8	102	0.0146
Diameter (km)	4879	12,104	12,756	3475	6792	142,984	120,536	51,118	49,528	2370
Density (kg/m ³)	5427	5243	5514	3340	3933	1326	687	1271	1638	2095
Gravity (m/s ²)	3.7	8.9	9.8	1.6	3.7	23.1	9.0	8.7	11.0	0.7
Escape Velocity (km/s)	4.3	10.4	11.2	2.4	5.0	59.5	35.5	21.3	23.5	1.3
Rotation Period (hours)	1407.6	-5832.5	23.9	655.7	24.6	9.9	10.7	-17.2	16.1	-153.3
Length of Day (hours)	4222.6	2802.0	24.0	708.7	24.7	9.9	10.7	17.2	16.1	153.3
Distance from Sun (10 ⁶ km)	57.9	108.2	149.6	0.384*	227.9	778.6	1433.5	2872.5	4495.1	5906.4
Perihelion (10 ⁶ km)	46.0	107.5	147.1	0.363*	206.6	740.5	1352.6	2741.3	4444.5	4436.8
Aphelion (10 ⁶ km)	69.8	108.9	152.1	0.406*	249.2	816.6	1514.5	3003.6	4545.7	7375.9
Orbital Period (days)	88.0	224.7	365.2	27.3	687.0	4331	10,747	30,589	59,800	90,560
Orbital Velocity (km/s)	47.4	35.0	29.8	1.0	24.1	13.1	9.7	6.8	5.4	4.7
Orbital Inclination (degrees)	7.0	3.4	0.0	5.1	1.9	1.3	2.5	0.8	1.8	17.2
Orbital Eccentricity	0.205	0.007	0.017	0.055	0.094	0.049	0.057	0.046	0.011	0.244
Obliquity to Orbit (degrees)	0.034	177.4	23.4	6.7	25.2	3.1	26.7	97.8	28.3	122.5
Mean Temperature (C)	167	464	15	-20	-65	-110	-140	-195	-200	-225
Surface Pressure (bars)	0	92	1	0	0.01	Unknown*	Unknown*	Unknown*	Unknown*	0.00001
Number of Moons	0	0	1	0	2	79	62	27	14	5
Ring System?	No	No	No	No	No	Yes	Yes	Yes	Yes	No
Global Magnetic Field?	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes	Unknown
	<u>MERCURY</u>	<u>VENUS</u>	<u>EARTH</u>	<u>MOON</u>	<u>MARS</u>	<u>JUPITER</u>	<u>SATURN</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>

<https://nssdc.gsfc.nasa.gov/planetary/factsheet/>

The previous table is Nasa Planetary Fact Sheet – Metric – it's the only source I use for Solar Planets Data

1. I analyze Solar Planets Data to reach the geometrical rules on which this data is created – for example – If we have a right triangle its dimensions 3,4 and 5, can we use these dimensions to conclude the Pythagoras rule? Yes we can – similar to that I analyze the planets data to reach their geometrical rules

2. I depend on **Data Direction**

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

This equation is hard to explain – but what's the basic idea here? There's a dependency between these 4 planets axial tilts... this conclusion is the Data Direction

3. I suppose there's **one Equation only controls all solar planets data** – that means – the previous table is controlled by one Equation only...(my Basic Hypothesis)

To explain this hypothesis I provide the following solar system alternative description – which is a part of my methodology...

Solar System alternative Description

1- **The solar group is one trajectory of Energy and each planet is a point on this same trajectory.....**

i.e.

2- **The Solar Group is One Building** and each planet is a part of this same building-

3- Also the solar group is similar to a train and each planet is a carriage of it.

4- Also the solar group can be similar to one body, and each planet is a member in it

5- Also the solar group can be similar to one machine and each planet is a gear in it

means

6- When a planet moves –it doesn't mean this planet moves individually and independently from the other planets- NOT TRUE – The Planet moves with all other planets together as a train moves with all carriages –

Description Basic Concept

Planets Cooperation And Integration Is The Reason Of Their Existence And Motions.

How to understand that?

WE know that the matter is created of Energy ($E=mc^2$) – but **How The Space Is Created?** I suppose the Space is created of Energy also... (Space = Energy)

So the matter and space both are created from the same energy.. Based on that the solar group can be one trajectory of Energy

Can that be possible?

Energy has different forms (sun rays – nuclear interactions – oil- food ..etc)

Different forms for same content, i.e. it's possible to create matter & space of energy

Another Example

In double slit experiment (Young Experiment) – the light coherence produced bright and dark fringes –regardless the experiment explanation – the experiment tells "when one input is used (light)– the outputs can be in 2 different forms (bright and dark fringes)"

The Solar Group Creation

I suppose the solar group is one energy creates the planet matter and orbital distance – so this same energy passes through the whole group to create all solar planets and their orbital distances from the same energy where this energy creates all planets data complementary to each other because all of them are created from the same source.

Shortly

The solar group is one thread – as one necklace – all solar planets and their distances are created from one energy to be complementary to each other- and that's why the planets data analysis shows the solar planets dependency.

3- Why Saturn orbital distance = Saturn Uranus Distance?

- 3-1 Distances Equality (Data Revision)
- 3-2 the Solar System unified motion
- 3-3 Saturn and Uranus Orbital distances relationship
- 3-4 Solar Planets Main Equation
- 3-5 The solar system has 2 basic points
- 3-6 Two Solar Days Using (Data revision)

3-1 Distances Equality (Data Revision)

I-Data

- **Saturn** Orbital Distance = **Saturn** Uranus Distance
= Mercury Orbital Circumference
= Saturn Uranus Distance
= Pluto Eccentricity Distance
= Neptune Pluto Distance
= 0.5 Uranus Orbital distance
= 2 Mercury Jupiter distance
- Neptune Orbital Distance = **Saturn** Pluto Distance

More Data

- Mercury Jupiter Distance = Mars Orbital Distance $\times \pi$
- Earth Neptune Distance = Mercury **Saturn** Distance $\times \pi$
- Jupiter Uranus Distance = Venus Jupiter Distance $\times \pi$
- Jupiter Pluto Distance = Uranus Neptune Distance $\times \pi$
- Uranus Pluto Distance = Earth Orb. Circumference $\times \pi$
- Neptune Orb. Distance = **Saturn** Orb. Distance $\times \pi$
- Pluto Orbital Distance = Earth Orb. Circumference $\times \pi$

II-Discussion

I claim there's a geometrical reason (or geometrical reasons) behind these distances equality...

And I search to know what's this geometrical reason

This paper tries to discover the geometrical reason which causes Saturn Orbital Distance to be equal Saturn Uranus Distance.

3-2 The Solar System Unified Motion

Let's summarize this idea in following

It tells that

The solar planets motions total per solar day = 1433.5 mkm = Saturn orbital distance

Which means the solar planets velocities total should be = 16591.5 km /sec

NOT True

The solar planets velocities real total = 205.8 km/sec

$205.8 \text{ km/sec} \times 80.62 = 26591.5 \text{ km/sec}$

that means

$205.8 \text{ km/sec} \times (511.1 \text{ degrees} / 2\pi) = 16591.5 \text{ km/sec}$

So

16591.5 km/sec is a supposed velocity

205.8 km /sec is the real velocity

Between both the rate (511.1 degrees / 2π) – where 511.1 degrees = planets axial tilts total –

Based on that

I supposed that both velocities are equal because the planets axial tilts total transport the motion through the solar planets – and because of that – the planets axial tilts total value in seen in the equation

Conclusion

Solar planets motions total per solar day with help of planets axial tilts = 1433.5 mkm per solar day (where 1433.5 mkm = Saturn orbital distance)

3-3 Saturn and Uranus Orbital distances relationship

We have discussed this idea in the previous paper – let's summarize it here

I-Data

Equation No. 1

$$\frac{\text{Jupiter Radius}}{\text{Mercury Diameter}} = \frac{\text{Uranus Diameter}}{\text{Moon Diameter}} = \frac{(2 \text{ Saturn Circumferences})}{\text{Uranus Diameter}} = \frac{\text{Venus Mass}}{\text{Mercury Mass}} = \frac{\text{Uranus Mass}}{\text{Earth Mass}} = \frac{4.37}{0.3}$$

Equation No. 2

$$\frac{\text{Saturn velocity}}{\text{Uranus velocity}} = \frac{\text{Planets Masses Total}}{\text{Jupiter Mass}} = \frac{\text{Planets diameters total}}{2 \times \text{Jupiter diameter}} = \frac{\text{Jupiter Radius}}{\text{Uranus Diameter}} = \frac{\text{Mercury Diameter}}{\text{Moon Diameter}}$$

I-Discussion

Equation No. 1

4.37 mkm = The Sun Circumference

0.3 mkm = A light motion for 1 second (light known velocity 0.3mkm/sec)

This term (4.37/0.3) tells that – The Sun Circumference Is Created Based On Light Motion For 1 Second –

We know that – light motion for 1 second causes planet motion for 1 solar day

So we have light motion for 1 second ...that satisfies the hypothesis (research 3rd hypothesis) – So the equations can be explained by my theory

But ... It's not very clear.....**Why?**

Because in both Equations **Jupiter Uses Its Radius And Not Diameter!**

Let's review it again..!

Light motion for 1 second causes planets motion for 1 solar day – but – 1 solar day of planet motion is NOT enough to create the solar system data – we need motion for 2 solar days - that's why Jupiter uses its radius and not diameter

This same idea can be concluded easily from another equation also

Equation No. 3

$$\frac{\text{The Sun Diameter}}{\text{The Moon Diameter}} = \frac{\text{Earth orbital distance}}{\text{Earth Moon distance}} = \frac{\text{Earth daily motion}}{\text{Earth Radius}}$$

Also in this equation Earth uses its radius and not diameter – that tells us – we should use the double value to perform the required result!

Please Note

In Equation No. 2 we see the term (Saturn velocity/ Uranus velocity) – this is the only motions in both equations and that tells us – Uranus and Saturn consist the motor on which the solar system motion depends. That may explain the distances equality we have found in point no. 3-1

Conclusion

- (1) The solar system geometrical structure uses the equation **Z= 2x +1 y**
- (2) The solar system uses Uranus & Saturn orbital distances as complementary to each other.

3-4 Solar Planets Main Equation

$$Z = 2X + 1Y$$

Or

$$1.16 \text{ mkm} = 2 \times 0.377 \text{ mkm} + 0.406 \text{ mkm/ solar day}$$

Where

1.16 mkm =

A distance passed by light motion for 1 second (Light Supposed Velocity) (1.16 mkm/sec)

0.377 mkm = Saturn Circumference

0.406 mkm = Pluto Motion for 1 Solar day

This equation tells how the solar system behaves

2 X This Factor expresses the matter value in the solar system –

1 Y This Factor expresses the light motion value in the solar system –

The equation

$$Z = 2X + 1Y$$

tells that – The solar system geometry (Z) is built by 2 solar days of planet motion (2X) and 1 second of light motion (1Y)

3-5 The solar system has 2 basic points

How Saturn orbital distance becomes = Saturn Uranus distance

I suppose that

- **DISTANCE IS ENERGY** created by planet motion (and of course buy light motion) but this creation process is complex one because the motion may be done in a distance is created before by previous motion – so the distance creation process is done for the new distances only and by rules we still search to discover
- The distance is energy can behave as a light beam – means it can reflected as light beams
- The distance is started from the sun move to Saturn and at Saturn this distance energy is stored

Now

- This energy is reflected with Saturn (in a complex process) and left after reflection the energy (distance) moving toward Uranus.
- That explains why Saturn Orbital Distance = Saturn Uranus Distance
- To see clearly this reflection process we have to define the solar system points in which the solar planets velocities total can be seen or concluded ...

I suppose that

- There are 2 basic points in the solar system – in which the solar system unified motion can be concluded or proved which are
 1. **The Sun** because all planets revolve around which enable the velocities total.
 2. **Earth Moon Orbit** (will be discussed in next point)
- The reflection process depends on Earth Moon Orbit
- By this reflection – the distance which is passed by the solar system (1433.5 mkm) during a solar day will be double value which equal the solar system motion for 2 solar days – this value which we have faced frequently in the solar system geometry – let's remember its data in the next point

3-6 Two Solar Days Using (Data Revision)

(1st Data)

Jupiter energy which is sent to Pluto and reflected by Neptune – as we have discussed frequently

This energy = light supposed velocity (1.16 mkm/second) x 2 solar day (86400 s)

Please review

Why Jupiter Diameter =142984 km? (1) <http://vixra.org/abs/1907.0137>

(2nd Data)

Earth Circumference is created by motion for 2 solar days

Please review

The Solar Day Production <http://vixra.org/abs/1812.0426>

Earth Circumference <http://vixra.org/abs/1812.0434>

(3rd Data)

Earth Motion Freedom (The Distance between Perihelion and aphelion) = 5 mkm=
2.58 mkm x 2

Means

Earth needs to move during 2 solar days to pass the motion freedom distance

(4th Data)

Moon moves 88000 km (Moon displacement per solar day) – but the required distance = 2 x 88000 km

Please review

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>

4- Earth Moon Motion And Orbital Structure

4-1 The Solar System Energy Reflection

4-2 The Moon Orbital Geometrical Structure

4-3 Moon Orbital Motion

4-1 The Solar System Energy Reflection

The idea Summary

(I)

- The solar system is a puppets theater – The planets are connected with each other by one trajectory of energy
- This energy causes the solar system to move together as one machine – as the train moves with its all carriages similar to the solar system moves with all planets together in one unified motion
- Planets different Velocities can't disprove "**The Train Motion Concept**" because the machine of gears has different velocities for its gears but the machine moves with only one motion – similar to that the solar system works.
- Based on this description – The Solar System should be seen as a system of energy – the planet matter and orbital distance are created of energy (because $E=mc^2$ tells us matter is Energy and "Space = Energy" a hypothesis")
- The solar system can be seen as a triangle of energy because all solar planets revolve around the sun – so the sun is the triangle apex – and we can call this triangle (or pyramid) is a triangle of energy
- This triangle 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

(II)

- The solar system daily motion =1433.5 mkm = Saturn orbital distance
- This distance (energy) is created by a summation of all planets motions – means to start this distance we need a point the unified velocity is proved in it – we have 2 points can be used here – the sun point and the Moon orbit

- I choose the sun point because it's more consistent in the description
- The distance =1433.5 mkm
- And the starting point is "the sun Point"
- Where the distance will reach? To Saturn point because Saturn orbital distance =1433.5 mkm
- So the energy is started from the sun to Saturn
- The energy is reflected at Saturn by help of the moon orbit (based on the previous description –i.e. through a complex process)
- By this reflection the distance 1433.5 mkm will be reflected at Saturn and moves toward Uranus with an equal distance
- That explain why both distances are equal

The moon orbit geometrical structure may support this description

4-2 The Moon Orbital Geometrical Structure

Preface

The Moon Orbital Geometrical Structure proves the previous idea – that The solar system energy total is reflected inside the moon orbit (Earth Moon orbit) Let's proof that in following..

I- Data

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.

Group No.1

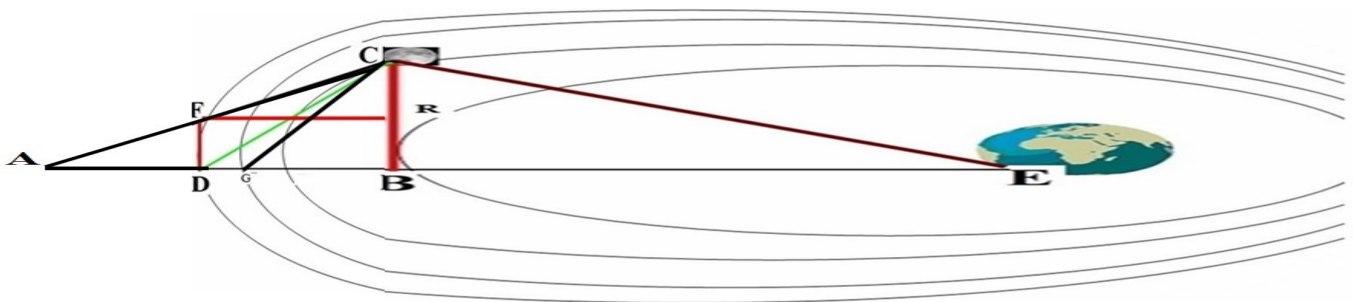


Figure No.1 (Note Please – FDBR is a square)

Figure shows the moon orbit around Earth with some details (my created figure)

Where..... **AB= BC= 86000 km..... and BR=CR also AD=BD**

EB =363000 km = Perigee radius (perigee is the nearest point, the moon can reach)

EC= 378000 km= Earth Moon Distance when the moon in total solar eclipse point

EG= 384000 km = The Moon Orbital Distance (registered in NASA Planetary sheet)

ED= 406000 km = Apogee radius (Apogee is the most far point, the moon can reach)

More Data

$$(EB)^2 + (86000 \text{ km})^2 = (EC)^2 \quad (\text{error } 1\%)$$

$$(EC)^2 + (86000 \text{ km})^2 = (EG)^2 \quad (\text{error } 0.5\%)$$

$$(EG)^2 + (86000 \text{ km})^2 = (S)^2 \quad (\text{where } S= 394000 \text{ km- unknown point})$$

$$(S)^2 + (86000 \text{ km})^2 = (ED)^2 \quad (\text{error } 0.7\%)$$

AC = 120536 km

= Saturn Diameter

EC = 378000 km

= Saturn Circumference

AE= 449378.3 km

= Jupiter Circumference

Please review

Earth Moon Orbit Triangle Analysis (Revised) <http://vixra.org/abs/1907.0627>

Group No.2

The moon orbital geometrical structure features:

- 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 = Moon 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%)

Group No.3

Data

1. Earth daily moves a distance = 2.58 mkm = 0.985 degrees to complete 360 degrees in 365.25 days... i.e. Earth during 29.53 days move **29.2 degrees**

And

2. The moon moves daily 2.58 mkm but the moon during the day moves 13.18 degrees to perform 360 degrees during 27.3 days

Means

- The moon during 29.53 days move a distance = 389.2 degrees

389.2 degrees – 360 degrees = **29.2 degrees**Why these values equal?

I- More Data

Metonic Cycle Period 6939.75 days = 19 x 365.25 days (Sidereal Days)
= 235 x 29.53 days (Lunar Synodic Month)
= 20 x 346.6 days (Nodal Year)

Saros Cycle Period 6585.321 days = 241 x 27.32 days (Lunar Sidereal Month)
= 19 x 346.6 days (Nodal Year)
= 223 x 29.53 days (Lunar Synodic Month)

The harmony in degrees are seen in the cycles harmony

This harmony proves (1) The Train Motion Concept (2) Earth & Saturn cooperation

II- Discussion

Let's try to discover the previous data meaning shortly in following

Data Group No. 1

This Group shows Saturn and Jupiter diameters and circumferences effect on the moon orbit geometrical structure

Simply the moon orbit is built depending on Saturn and Jupiter diameters and circumferences

This data supports the claim that

Saturn Orbital Distance (energy) is reflected and produced Saturn Uranus Distance Earth Moon orbit is a player in this process (which is a complex one) and because the moon is geometrical player we see Saturn data in the moon orbit geometrical structure...

Why Jupiter Data is used also in addition to Saturn Data and Not Uranus data?!

Because

I-Data

(1)

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

(2)

$$2 \text{ Jupiter Circumferences} - 2 \text{ Saturn Circumferences} = 1 \text{ Jupiter Diameter} \quad (\text{error } 1.3\%)$$

(3)

$$(\text{Jupiter Diameter})^2 + (\text{Saturn Diameter})^2 = (0.5 \text{ Saturn Circumference})^2 \quad (1.2\%)$$

(4)

$$2 \text{ Jupiter Diameters} + 1 \text{ Saturn Diameter} = \text{Solar Planets Diameters Total} \quad (\text{No Error})$$

(5)

$$\text{Saturn Diameter} - \text{Jupiter Radius} = \text{Neptune Diameter} \times 0.99 \quad (\text{No Error})$$

I see the idea is clear – because Saturn and Jupiter are created depending on each other...

Why Uranus data is not mentioned here?!

Mentioned of course

363000 km (perigee radius) = 7.1 x 51118 km (Uranus Diameter)

(7.1 is one of the relativistic effects rates which we have discussed frequently)

Please review

A Summary Of My Research -Part 3- (Relativistic Effects Discussion)

<http://vixra.org/abs/1907.0523>

Data Group No. 2

This data simply supports the claim

Because it shows clearly all planets diameters are defined inside the moon orbit

And we know that there's a relationship between the planet diameter and orbital distance - that means – the planet diameter value which is seen in the moon orbit clearly – this value expresses its planet effect on the moon orbit geometrical structure

And that tells us

The moon orbit has a relationship with all solar planets...!

How

Because

The solar system general energy is reflected inside the moon orbit – and by such way the moon orbit becomes a small picture from the solar system – but in place of to use the planet itself – the moon orbit uses the planet diameter value to shows this same planet effect and energy

That may explain this interesting data

Now

This explanation needs more deep analysis because the moon can move only during perigee 363000 km and apogee 406000 km points which refer to the inner planets diameters total = Earth Circumference

There's a geometrical reason for that and we still search for it

Let's deepen our discussion in following...

Moon Diameter And Motion Relationship

The outer planets diameters total = 366556 km

The moon diameter = 0.95% = 3475 km

That means

The outer planets diameters total = 105 x the moon diameter

Moon rotation period 655.7 hours = 105 x 2π

That tells us the moon rotation period is defined relative to its rate to the outer planets diameters total

This happened also with Pluto

The outer planets diameters total = 153.3 x Pluto diameter

Pluto rotation period = 153.3 hours

The geometrical mechanism is still hard to grasp – but the data tells clearly that – there's a deep relationship between the moon and all solar planets – which supports the claim

Note please /

Pluto behaves as the Earth Moon because of the relationship between Pluto and earth with her moon – it's not 2 separated behaviors of 2 planets – it's simply one behavior shared by these 2 planets

More Data can help us to see much better

Additional Data

- Earth Velocity 2.58 mkm/ day = Pluto Velocity 0.406 mkm/ day x 2π
- Pluto Orbital Distance 5906 mkm = Earth orbital circumference 940 mkm x 2π
- Pluto Day 153 hours = Earth Day 24 hours x 2π
- Pluto Orbital period 90560 days = 1461 days x x 2π³
- Pluto Velocity per solar day (0.406 mkm) x Earth Moon Velocity per solar day (2.41 mkm) = 1

Data Group No. 3

This Data tells that – Earth and its moon move in close harmony motion providing a proof that these 2 planets motions are unified in one motion only

That means – Group No. 3 of Data – provides a proof for one unified motion between Earth and its moon

This idea which is extended and supported by "**The Train Motion Concept**"

More Data

Table No. 1	Why Earth Circumference = 40080 km?
<i>If Earth diameter = 12756 km, is considered to be = 1</i>	
Earth Circumference = 40080 km, will be just =π So..... The Following Vales Are Correct	
❖ Earth Circumference	=π
❖ Solar Inner Planets Diameters Total	=π
❖ Solar Outer Planets Diameters Total	=9π
❖ Moon Orbit Radius (At Perigee Point)	=9π
❖ All Solar Planets Diameters Total	=10π
❖ Moon Orbit Radius (At Apogee Point)	=10π
❖ 2 Jupiter Diameter + Saturn Diameter	=10π
❖ Moon Orbit Radius (At Total Solar eclipse Point)	=9.5π
❖ Saturn Circumference	=9.5π

4-3 Moon Orbital Motion

(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 attack the moon to Earth 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 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)) (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 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?

Please review

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>