

## Definition Of Motion (I)

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### Abstract

#### Paper Hypotheses

- 1- Planets data are created relative to each other
- 2- Mercury & Pluto Motions define the distance between them
- 3- Mercury & Pluto Motions define Saturn Orbital Distance
- 4- Solar System is one building and each planet is a point in it
- 5- Solar system moves one unified motion as a train moves with all carriages

### References

- Solar System Motion Analysis (I) <http://vixra.org/abs/1909.0150>  
Why does Earth Moon Orbit regress? (Part II) <http://vixra.org/abs/1909.0107>  
Why does Earth Moon Orbit regress? <http://vixra.org/abs/1909.0064>  
Energy Transportation Through The Solar Group <http://vixra.org/abs/1908.0510>  
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

One more time we try to understand how the solar system works..

This time we try to define the Motion.....

What's the motion? What's Planet Motion?

Of course there are answers for these questions .. but do we really understand the questions and their answers?

Let's start with more easy question

Why we see the sun disc = the moon disc? Because

$$\frac{\text{The Sun Diameter}}{\text{The Moon Diameter}} = \frac{\text{Earth Orbital Distance}}{\text{Earth Moon Distance}} = 400$$

Because of the previous equation, we see the sun disc = the moon disc

Why this equation is found? Why the distances rate = the diameters rate? regardless any available answer – I want to explain that – when we accept any explanation we accept including its features definitions...

Paper Main Question is What's the motion? To answer ... we have to accept that ... the matter is found and distinguish from space –Space is found independently from any matter – and the motion may be as a translation from point to another....

As any language ... when you say to someone "Good Day" he will never understand it as "let's fight" ....but if you use different languages – that may happen –

Now – Is the Space found independently from any matter? If So – why the distances rate = the diameters rate? If the space is created independently from the matter creation why this equation is found?

I wish we see deeply as possible

We have advance definitions about (space- time – matter creation....etc)

We have description about how these players work – but is this description truth?

What does prove that "space is created independently from the matter creation?"

But the equation tells us that the distances rate = the diameters rate – that may refer to some relationship between both....

Simply

Planets Data contradicts the classical description

What side we will support?

Some answers told that – the equation is found by pure coincidence and the space is = nothingness which means can't be created!

I try to show our hard work to understand solar system geometry – we don't know what's the space and we have no any knowledge source for it– so when planets data give us some direction we remove this data as pure coincidence and based on this silly claim we lose our only source to define the space..!

In my previous papers I have provided hundreds of such equations supporting that "There's a relationship between matter and space in which it moves" and will not discuss it more here –

Let's return to this paper main question

What's the motion?

Earth moves daily a distance = 2.58 mkm but Pluto moves during its day period (=6.2 solar days) a distance =2.58 mkm why both moves equal distances in each planet day?

Is Planet motion done after its creation or before? Let's simplify this question

Is planet data suitable for its motion? If yes... why? Is planet data created to do its specific motion or planet motion is found as planet task regardless its data?

### **Example No.1**

Let's look at the moon orbit geometrical structure

#### **I-Data**

The Moon has 4 basic points which are

Perigee radius = 363000 km	total solar eclipse radius =377000km
Apogee radius =406000 km	moon orbital distance =384000 km

- 1- Earth Moon Distance at perigee point = Outer Planets Diameters Total (1%)
- 2- Earth Moon Distance at apogee point = Solar Planets Diameters Total
- 3- Distance from Perigee to apogee =inner planets diameters total =  
Distance from Perigee to apogee = Earth Circumference

#### **II- Discussion**

Moon diameter =1% of Outer Planets Diameters Total

Outer Planets Diameters Total =366500 km

But perigee radius =363000 km

From perigee to apogee =43000 km

Moon diameter = 3475 km

So

When the moon be in perigee point – in this case

Distance from Earth to the moon (including moon diameter) = Outer Planets Diameters Total=366500km

While

Distance from the moon to apogee point = 40000 km =inner planets diameters total = Earth Circumference

I try to show that- there's a geometrical mechanism behind which defines planets orbital and internal distances in addition to define their motions nature

Still The Paper Question is unsolved ...What's The Motion?

In this paper – we try to see deeply as possible – and to define the space – matter and the motion- to do this task we analyze Pluto Data

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

3-1 Preface

3-2 Pluto Diameter Data

3-3 Pluto Diameter Discussion

#### 3-1 Preface

Why we analyze Pluto Diameter?

Because we need to know if Pluto Motion is a master mind which forms Pluto diameter to be suitable for its motion

Here we don't discuss how such ideas can be done– the geometrical mechanism isn't my question here at all – basically because there are many geometrical rules we need to discover in solar system geometry – and because of these geometrical rules absence the geometrical mechanism still be obscure to us.

So the question is .....

Pluto Diameter Is Created Before Or After Pluto Motion Starting?

i.e.

Pluto Motion informs Pluto (Genes) to create Pluto Diameter suitable for the motion

This is the question in most simple form

But

What big deal of such question?

We will discover if Pluto Motion is found deeply inside Pluto Creation Data – or it's just outer task

As what?

As a creature blood motion or creature motion on any road....

The blood motion is found by creature structure data – but creature motion on any road is the creature choice to move

i.e.

creature has no power or will to prevent the blood motion

but creature can easily prevent his motion on road

So Pluto diameter analysis aims to show Pluto Motion Nature

let's start immediately

### 3-2 Pluto Diameter Data

(1)

$$\frac{41.4 \text{ mkm (Venus Earth Distance)}}{0.406 \text{ mkm (Lunar apogee Radius)}} = \frac{5906 \text{ mkm (Pluto orbital distance)}}{57.9 \text{ mkm (Mercury orbital distance)}} = \frac{0.241 \text{ mkm (2 Saturn Diameters)}}{2390 \text{ km (Pluto Diameters)}} = 101$$

(2)

$$(366500 \text{ km outer planets diameter total} / 2390 \text{ km Pluto diameter}) = 153$$

(3)

$$\frac{153 \text{ h (PLuto Day)}}{24 \text{ h (PLuto Day)}} = \frac{29.8 \text{ km/sec (Earth Velocity)}}{4.7 \text{ km/sec (Pluto Velocity)}} = 2\pi$$

(4)

$$7511.4 \text{ km (Pluto Circumference)} \times 153 = 0.99 \times 1.16 \text{ mkm}$$

(5)

$$7511.4 \text{ km (Pluto Circumference)} \times 86400 \text{ seconds} = 0.99 \times 655 \text{ mkm (Jupiter Saturn Dis.)}$$

(6)

$$366500 \text{ km outer planets diameter total} \times \pi = 1.16 \text{ mkm} \times 0.99$$

(7)

$$120536 \text{ km (Saturn diameter)} = (7.1)^2 \times 2390 \text{ km (Pluto Diameter)}$$

(8)

$$\text{Pluto Motion during a solar day} = 406000 \text{ km} = \text{solar planets diameters total}$$

(9)

$$\text{Pluto Motion during his days (153 hours)} = \text{Earth Motion during her day (24 hours)} \\ = 2.58 \text{ mkm}$$

### 3-3 Pluto Diameter Discussion

#### Equation No.1

$$\frac{41.4 \text{ mkm (Venus Earth Distance)}}{0.406 \text{ mkm (Lunar apogee Radius)}} = \frac{5906 \text{ mkm (Pluto orbital distance)}}{57.9 \text{ mkm (Mercury orbital distance)}} = \frac{0.241 \text{ mkm (2 Saturn Diameters)}}{2390 \text{ km (Pluto Diameters)}} = 101$$

Why this equation is important?

Mercury Day needs 5040 seconds to be =176 solar days

#### During 5040 seconds

- ❖ Mercury moves a distance = **2 Saturn** Diameters (Error 1%)
- ❖ Pluto moves a distance = **Pluto** Diameter x  $\pi^2$
- ❖ Mars moves a distance = Saturn Diameter
- ❖ Saturn moves a distance = Neptune Diameter (Error 1.2%)

(note please – I remove  $\pi^2$  from discussion for simplicity)

Simply Equation no.1 shows that the rate (2 Saturn diameters/ Pluto diameter) =101

2 Saturn diameters & Pluto diameter are Not real diameters but distances passed by Mercury and Pluto respectively which defines the rate 101 which is an important one because it defines Pluto orbital distance relative to Mercury orbital distance

What does Equation no.1 tell us?

It tells that

Mercury day period (5040 seconds) is used by both planets (Mercury & Pluto) to define the diameters of Saturn and Pluto which almost are created relative to each other.

To confirm this meaning – please see the number 2 in both equations .... We here deal with one value transported from hand to hand – regardless how physically can be done – we have to consider the data and analyze it as deeply as possible

This same meaning I need to confirm by additional data – so please the respectful reader – let me provide it here – but keep an eye on the main equation (no. 1) – to save our analytical data direction

#### Additional Data

Let's see some Data in following

(a)

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

(b)

2 Jupiter Circumferences - 2 Saturn Circumferences = 1 Jupiter Diameter (error 1.3%)

(c)

(Jupiter Diameter)<sup>2</sup> + (Saturn Diameter)<sup>2</sup> = (0.5 Saturn Circumference)<sup>2</sup> (1.2%)

(d)

2 Jupiter Diameters + 1 Saturn Diameter = Solar Planets Diameters Total (No Error)

(e)

**Saturn Diameter – Jupiter Radius = Neptune Diameter x 0.99** (No Error)

Please see all equations uses number 2

Even equation ( e ) tells we need number 2 here because Jupiter uses his radius  
So in Mercury motion , solar planets diameters total and Jupiter Saturn diameters rate  
all these equations need no.2 to be consistent equations – and that means we deal  
with one value transported from hand to hand

**Equation no.1** shows this fact clearly

Why 2 Saturn diameters are used so frequently? We know the answer

### **ANSWER**

One equation controls all planets data – we have discussed this hypothesis before  
The equation is

$$F(z) = 2x + 1y \quad \text{or } 1.16 \text{ mkm} = 0.406 \text{ mkm} + 0.377 \text{ mkm} \times 2$$

1.16 mkm = light motion for 1 second (light supposed velocity)

0.406 mkm = Pluto Motion Distance during a solar day

0.377 mkm = **Saturn Circumference**

Based on this equation also Saturn uses 2 Value of his Circumference

I wish I have proved my point of view – that

2 Saturn Diameters are a value transported from hand to hand

Let's return to Equation no. 1

$$\frac{41.4 \text{ mkm (Venus Earth Distance)}}{0.406 \text{ mkm (Lunar apogee Radius)}} = \frac{5906 \text{ mkm (Pluto orbital distance)}}{57.9 \text{ mkm (Mercury orbital distance)}} = \frac{0.241 \text{ mkm (2 Saturn Diameters)}}{2390 \text{ km (Pluto Diameters)}} = 101$$

**This Equation tells that motions by Mercury and Pluto during 5040 seconds define the Pluto and Mercury distances rate.**

### **Please Note**

In this analysis I want to show that – Energy (data) is transported from hand to another hand through the solar system – that's why I need to move forward to discuss the next equation-

But

Equation no.1 is still so complex and we should return to it again

But here we need to see some data explaining this equation importance

(I)

$$101 = 4 \times 25.2$$

**Where**

But 25.2 = Mars axial tilt – where 25 is the constant in kepler 3<sup>rd</sup> law ( $P^2 / d^3$  equal constant – when we use the solar planets real data the constant will be 25)

I have claimed that this 25 is equal mars Axial tilt =25.2 degrees and we had hard discussion about the unit definition

**And**

Earth Full Cycle =4 sidereal years =365+365+365+366 =1461 days

This is hard to be discussed here

(II)

$$2088 \text{ mkm (Jupiter Uranus Distance)} = (7.1)^2 \times 41.4 \text{ mkm (Venus Earth Distance)}$$

$$2088 \text{ mkm (Jupiter Uranus Distance)} = (71)^2 \times 0.406 \text{ mkm (Lunar apogee Radius)}$$

This data will be explained with Equation no.7

...Let's move forward

### Equation No.2

(366500 Km Outer Planets Diameter Total /2390 Km Pluto Diameter) =153

I try to show that there's one value is transported from hand to hand through solar system

What value ?

Pluto Diameter

Why ?

But note

I deal with the solar group as one machine –

i.e.

Solar Planets Diameters Total is created as one value, and later distributed to different planets based on internal relationships

So

Outer Planets Diameter Total is Pluto Reference

### Equation no. 2

This equation tells that Outer Planets Diameter Total= 153 x Pluto diameter

But

Pluto day =153 hours

What's the relationship between these 2 value (153 and 153 hours)??

Based on my point of view

I see these 2 values are only one value – and for geometrical necessity the rate 153 becomes 153 hours

And in this case "Pluto Diameter Value will be transported as Pluto Day Period"

Next equation may help us

### Equation No. 3

$$\frac{153 \text{ h (PLuto Day)}}{24 \text{ h (PLuto Day)}} = \frac{29.8 \text{ km/sec (Earth Velocity)}}{4.7 \text{ km/sec (Pluto Velocity)}} = 2\pi$$

Equation no.3 tells that Pluto Day is relative to Earth day by the same rate by which Earth Velocity is rated with Pluto velocity...!

#### Why?

(a)

Pluto moves during his day period 2.58 mkm = Earth motion during her day period

(b)

Pluto moves during the solar day a distance =406000 km

But

406000 km = Earth Moon Distance At Apogee Radius  
= Solar Planets Diameters Total

#### Additional Data

- Pluto Orbital Distance 5906 mkm =Earth orbital circumference 940 mkm x  $2\pi$
- Pluto orbital period 90560 d. =  $2\pi^3$  x 1461 d. (Earth cycle 365+365+365+366)
- 122.5 deg. (Pluto axial tilt) = 23.6 deg. (outer planets axial tilts Total) x 5.19 deg (5.1 deg = Earth Moon orbital inclination – error 1.7 %)
- (122.5 deg = 17.2 deg (Pluto orbital inclination) x 7.1)

But

- 17.4 deg (inner planets orb. inclinations To.) x 0.99 = 17.2 deg (Pluto orb. Incl.)
- 23.6 deg (outer planets axial tilts Total) x 0.99 = 23.4 deg (Earth axial tilt)
- (180 deg/ $2\pi$ ) x 0.99 =28.3 deg (Neptune axial tilt)

I try to show that Pluto Earth relationship is so deep and shown in almost all their data –

i.e.

Equation no.3 is not exceptional equation

But

Why Pluto moves during his day period a distance =2.58 mkm= Earth Motion Distance during solar day ...

This question still we need to analyze to see its answer as possible

Any Way

We have to move forward to the next equation may it helps us to see much better

**Equation No. (4)**

$$7511.4 \text{ km (Pluto Circumference)} \times 153 = 1.16 \text{ mkm} \times 0.99$$

**Equation No. (6)**

$$366500 \text{ km outer planets diameter total} \times \pi = 1.16 \text{ mkm} \times 0.99$$

These 2 equations tell the same meaning – that

**Outer Planets Diameters Are Created Relative To The Value 1.16 Mkm**

I have supposed that –there's a light velocity =1.16 mkm/sec – so this light motion for one second passes a distance =1.16 mkm

**Why outer planets diameters depend on light motion for 1second?!**

To answer we have 2 points to discuss

(A) Pluto motion concept

(B) Why outer planets diameters depend on light motion for 1 second?

**(A) Pluto Motion Concept**

**(I)**

**Solar System Main Features**

- Light with velocity 1.16 mkm/sec travels for 1 second only
- This light motion energy causes a planet to move for 1 solar day
- (Specifically) Light Motion for 1 second causes Pluto to move 1 solar day
- Pluto motion for 1 solar day causes Solar Planets Creation Process
- Pluto moves -during a solar day- a distance = 406000 km
- That's why Pluto Motion Daily =406000 km = Solar Planets Diameters Total

Based on this description ...

$$A = \frac{\text{Light Motion For 1 Second (velocity 1.16mkm/sec)}}{\text{Pluto Motion for 1 solar Day (velocity 0.406mkm/ day)}} = 2.85714$$

**Conclusion**

The Rate (**A=2.8571**) Controls Solar Group Basic Data

The next table tries to support this conclusion

Table No.1	<b>The Rate = A = 2.857= (1.16/0.406)</b>		
<b>The Rate between 2 Values</b>		= A	Error
((1.16 mkm/sec) – (0.3mkm/sec))/ (0.3mkm/sec)=		= A	
Solar Planets Masses Total / 0.5 Jupiter Mass=		= A	1%
Planets Diameters Total 366550 km/ Jupiter Diameter 142984 km=		= A	
Jupiter Diameter 142984 km / Neptune Diameter 49528 km =		= A	
Mars Diameter 6792 km / Pluto Diameter 2390 km=		= A	
25920 mkm /9010 mkm (Saturn orbital circumference)=		= A	
655 mkm (Jupiter Saturn distance) /227.9mkm (Mars orbital distance) =		= A	
5906 mkm (Pluto Orbital distance) /2088 mkm (Jupiter Uranus Distance)=		= A	1%
<b>Saturn diameter 120536 km/43000 km (moon motion freedom)</b>		<b>= A</b>	
Outer Planets Axial Tilts Total 278.4 deg / Uranus axial tilt 97.8 deg		= A	
41 deg (planets orbi. inclinations total) x 2/ Neptune axial tilt 28.3 deg		= A	1.4%
511.1 deg (planets axial tilts total) / 180 deg		=A	0.6%
Neptune axial tilt vertically 118.3 degrees /41deg (planets orbi. inclinations total)=		= A	1%
Neptune Axial Tilt 28.3 degrees / $\pi^2$		= A	
Earth Moon Orbi. Inclination 5.1 deg/1.8 deg Neptune orbi. Inclination		= A	0.7%
(7 deg= Mercury orbi. Inclination) <sup>2</sup> / (17.2deg Pluto orbi. Inclination)		= A	
177.4 deg (Venus Axial Tilt) / $2\pi^3$ =		= A	

### **Conclusion**

It's truth that – the solar system is created based on energy of 1 second motion of light beam – from Energy Transportation Process Discussion (in previous paper) we concluded

(1)

Energy is transported through the solar system which creates the planet matter and orbital distance

(2)

This energy is energy of light supposed velocity 1.16 mkm/sec travels for 1 second

(3)

Planet motion for 1 day depends on light motion for 1 second

(II)

Now

We have discovered 2 basic concepts in solar system geometry – which are

- (1) **Solar Planets Data Is Controlled By One Equation ( $F(z) = 2x + 1 y$ )**
- (2) **Light (1.16mkm/sec) motion for 1 second causes planet to move for 1 solar day**

These are the 2 concepts which we have discovered in the solar system and we wish that these 2 concepts have no contradiction between each other

How these 2 concepts can be unified into one concept only?

1.16 mkm = light motion for 1 second

0.406 mkm = Pluto Motion for 1 solar Day

$$F(z) = 2 x + 1 y$$

Solar Planets Data Equation

$$1.16 \text{ mkm} = 0.406 \text{ mkm} + 2 x (0.377 \text{ mkm})$$

Where

**0.406 mkm = Pluto Motion Daily (which we know perfectly)**

**0.377 mkm = Saturn Circumference**

This equation we have discussed with Equation No. 1 – please review it

**(B) Why outer planets diameters depend on light motion for 1 second?**

Why not solar planets diameters total is relative to the value 1.16 mkm?

**A summarized idea**

- Light (1.16mkm/Saec) Energy Creates The Outer Planets Diameters
- It's light energy even if we see as planets diameters
- This energy is reflected and its reflection produces inner planets
- i.e.
- Outer Planets Diameters Energy is the original energy

And

- Inner Planets Diameters Energy is the reflected energy

That may explains the following data

**Jupiter Orbital Circumference**

**(Part 1)**

360 mkm (Mercury Orbital Circumference) + 680 mkm (Venus Orbital Circumference) + 940 mkm (Earth Orbital Circumference) + 1433.5 mkm (Mars Orbital Circumference) + 1433.5 mkm (Mars Orbital Circumference) = **4900 mkm (Jupiter Orbital Circumference)** (error 1%) (**Note** – We Use Mars Orbital Circumference 2 Times)

**(Part 2)**

**Jupiter Orbital Distance**

- Mercury Orbital Distance x 2 = Mercury Jupiter Distance
- Venus Orbital Distance = Venus Jupiter Distance (Error 1.5%)
- Earth Orbital Distance = Earth Jupiter Distance (Error 1.3%)

**(Note)**

- 1- (Earth and Jupiter are at 2 sides from the sun i.e. 940mkm=778.6mkm+149.6mkm)
- 2- (Data Part 2 tells that the inner 3 planets define their orbital circumferences relative to their distances to Jupiter – which supports our claim)
- 3- Mercury moves during his day period (= 2 orbital period) a distance =Mercury Jupiter Distance

**(Part 3)**

1.  $\frac{778.6\text{mkm Jupiter Orbital Distance}}{720.3\text{ mkm Jupiter Mercury distance}} = 1.0725$  (0.7%)

2.  $\frac{720.3\text{ mkm Jupiter Mercury distance}}{670\text{ mkm Jupiter Venus Distance}} = 1.0725$  (No Error)

3.  $\frac{670\text{ mkm Jupiter Venus Distance}}{629\text{ mkm Jupiter Earth Distance}} = 1.0725$  (0.6%)

**Conclusion**

Inner planets orbital and internal distances are created relative to Jupiter orbital circumference (and Neptune).....Because

Inner planets are found by reflected energy where the outer planets are found by original energy

### Deep Explanation

- To produce the sun rays we need the factor  $c^2$  which = 90000 mkm (when  $t=1$  second)
- energy is sent from Jupiter to Pluto and reflected by Neptune in 2 trajectories of energy (each trajectory has 86400 mkm)
- We agreed that – by some delaying process the energy is accumulated to produce the value 90000 mkm – but with what mechanism?

Now we'll explain the mechanism ... **The Required Energy =90000 Mkm**

- The available energy =86400 mkm – which is reflected from Neptune to the inner planets

i.e.

- The inner planets energy are **reflected energies** (not original) but reflected and now we need to add the original energy to the reflected one to produce the sun rays
- Mercury Orbital Circumference 360 mkm + Venus Orbital Circumference 680 mkm + Earth Orbital Circumference 940 mkm+ Mars Orbital Circumference 1433.5 mkm = 3413.5 mkm
- During 1433.5 days Pluto moves (Velocity daily 0.406 mkm) a distance **=582 mkm =  $\pi$  187 mkm**
- We have 3413.5 mkm + (Pluto Contribution) 187 mkm = 3600 mkm

Total

$$86400 \text{ mkm} + 3600 \text{ mkm} = 90000 \text{ mkm} = c^2$$

(why 90000 mkm =  $c^2$  because solar group motion depends on 1 second of light motion (1.16mkm/sec))

So, Pluto Contribution added 187 mkm which is necessary to produce the sun rays! Why? Because the sun rays are produced based on quantum measurements and the energy will not transfer into light beams unless this value 187 mkm is added otherwise the energy will still stored in distance form (where Space = Energy)

This idea we have discussed in the previous paper

Solar Planet Motion Depends On Light Motion

<http://vixra.org/abs/1908.0618>

## Jupiter Energy

(I try to show how the inner planets can be produced from reflected energy)

### More Data

(Equation No. A)

(Pluto Orbital Circumference- Jupiter Orbital Circumference)  $\times \pi = \underline{100224 \text{ mkm}}$

Note Please

**2x100224 mkm =**

**28255 mkm (Neptune Orbital Circumference) +  
2 x 86400 mkm**

**But**

100224 million km = (Pluto Orbital Circumference – Jupiter Orbital Circumference)  $\times \pi$  (I)  
(Error less 1%)

(Neptune orbital Circumference – Earth orbital Circumference)  $\times \pi = \underline{86400 \text{ mkm}}$  (II)

(Venus Orbital Circumference follow simply equation II where the error less 1%)

### Discussion

How to understand Equation No. A?

I have supposed that – **The Space Is Energy** – means The distance is Energy – So  
**The Distance Between Pluto And Jupiter Is Energy...**

So this distance value is multiplied by  $\pi$  (Which I don't know why!) to produce the number 100224 mkm

Now we need double value of this same number (multiplying **x2**) - why?

Because

28255 mkm (Neptune Orbital Circumference) + 2 x 86400 mkm = 2 x 100224 mkm

Neptune Orbital Circumference consumes only 16% of this number (=28255mkm)

The rest value will be divided into 2 equal values each =**86400 million km**

Equation (II) tells us the value 86400 mkm can be produced by another way!!

(Neptune Orbital Circumference - Earth Orbital Circumference)  $\times \pi = 86400 \text{ mkm}$

And this same equation can be used for Venus also...

Let's try to explain what the previous Data tell us in following:

### The Whole Story

- The energy is sent from Jupiter toward Pluto (**NOTE** The Energy Direction)
- The sent energy was in light beams form – but this light beam velocity =1.16 mkm/sec – and Jupiter sends this energy toward Pluto during 2 complete solar days (2 x 86400 seconds) – so this light beam will pass during 2 solar days a distance = **100224 mkm x 2**
- The value **100224 mkm x 2** is the solar group main energy and it sent now from Jupiter Toward Pluto

Then

- Neptune used 16% from the sent energy to create its orbital circumference

Then

- Neptune reflected the rest of energy into 2 equal different trajectories of energy –each trajectory contains energy equal 86400 mkm
  - **The 2<sup>nd</sup> Trajectory is sent toward Earth & Venus (86400 mkm)**
  - The 1<sup>st</sup> Trajectory is sent to Mercury alone (86400 mkm)

The previous story provides explanation for may puzzled data such as following:

### **Additional Data**

#### **Group (I)**

**Neptune Orbital Distance 4495.1mkm =**

**= Earth Venus distance 41.4 x Venus orbital distance 108.2**

**= Mercury Orbital Distance 57.9 x Earth Mars distance 78.3**

**= Mercury venues distance 50.3 x Mercury Earth distance 91.7 (error 2.5%)**

Why the inner planets orbital and internal distances multiplications produce Neptune Orbital Distance – Because the distance is Energy – and Neptune is the inner planets direct source of Energy because he reflected the Energy toward them.

I wish we have more confidence in our argument...

Why the inner planets orbital and internal distances multiplications produce Neptune Orbital Distance – Because the distance is Energy – and Neptune is the inner planets direct source of Energy because he reflected the Energy toward them.

So the previous equations aren't found by pure coincidences

Now our argument which depended on Planets diameters is supported now by another arguments uses the planets orbital and internal distances

I wish we have more confidence in our argument... try to support it with more curial data

### **Mercury Role**

#### **I-Data**

(5)

**Jupiter Diameter = 1 million km / (7)** (No Error)

(Note / Mercury Orbital Inclination = 7 degrees – and Mercury Orbital Circumference= 360mkm =360 degrees which means 1 degree = 1 mkm for Mercury orb. Circumference)

#### **More Additional Data**

**720.7 mkm Mercury Jupiter Distance = Jupiter Diameter x 5040**

Mercury Day needs 5040 seconds to be 176 solar days...

**1205 mkm Mars Saturn Distance = Mars Diameter x 5040**

This data we have discussed before but we use it here only to create a consistent complete vision Matter Creation Principle (Part II) <http://vixra.org/abs/1908.0206>

## **General Conclusion**

(3-Pluto Diameter Analysis)

- 6- All discussed data in this point are created relative to each other
- 7- All data is created based on Mercury & Pluto Motions
- 8- Mercury & Pluto Motions define the distance between them
- 9- Solar System is one building and each planet is a point in it

10- Solar system moves one unified motion as a train moves with all carriages

#### 4- Pluto Orbital Distance Analysis

3-1 Data

3-2 Discussion

#### 3-1 Data

- Mercury Neptune Distance = **Saturn** Pluto Distance
- Mercury **Saturn** Distance = Neptune Pluto Distance
- **Saturn** Orbital Distance = **Saturn** Uranus Dis. = Mercury Orb. Circum.

#### 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  $\times \pi$

## Why Do These Distances Are Equal?

### 3-2 Discussion

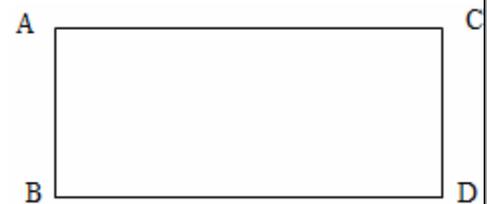
- A- Mercury Neptune Distance = Saturn Pluto Distance  
B- Mercury Saturn Distance = Neptune Pluto Distance

Please see deeply Equations A & B  
Again we deal with the same 4 planets ....  
Let's remember Equation no.1

$$\frac{41.4 \text{ mkm (Venus Earth Distance)}}{0.406 \text{ mkm (Lunar apogee Radius)}} = \frac{5906 \text{ mkm (Pluto orbital distance)}}{57.9 \text{ mkm (Mercury orbital distance)}} = \frac{0.241 \text{ mkm (2 Saturn Diameters)}}{2390 \text{ km (Pluto Diameters)}} = 101$$

We deal with mercury, Pluto, Saturn and Neptune  
These planets diameters are created by Mercury & Pluto motions  
Their distances tell that we may deal with a rectangle

A= Mercury                      C= Neptune  
B= Saturn                        D= Pluto  
So



Mercury Saturn Distance = Neptune Pluto Distance  
Mercury Neptune Distance = Saturn Pluto Distance

Of course we see the planets in straight line but how to understand this data?  
We should see how Mercury & Pluto motions define the distance between them  
I wish I have proved that this distances equality is found in Planet creation data so  
planet motion isn't outer task but a required task for planet existence  
i.e.

If a planet stops to move, it will perish – because the matter is created based on planet motion and without motion Planet matter will be perished.

#### Note please

The diameter CB =AD=  $4646 \text{ mkm} = \pi^3 \times 149.6 \text{ mkm}$  (Earth Orbital Distance)

Why the distances are equal?

They are energy trajectories as light beams and they are reflected

### Conclusion

- Planet motion effects in its creation data

i.e.

- Planet is created in motion and for that the planet data be suitable for its specific motion
- Space = Energy
- Matter & Space are created together from the energy which makes the solar system as one building and each planet is a part of it

**PLEASE NOTE**

(1)

Pluto and Mercury motions create many of their data –

The previous distances show that these motions create equal distances and special situation for Saturn Orbital Distance –where Mercury motion for 5040 produces 2 Saturn diameters –

That tells Saturn special situation is created because of Mercury and Pluto motions

I wish I explained the great impotence of Mercury data specifically

(2)

$17.2 \text{ deg. (Pluto orbital inclination)} \times 0.406 = 7 \text{ deg. (Mercury Orbital Inclination)}$

But

$0.406 \text{ mkm} = \text{Pluto motion in solar day}$

$1 \text{ mkm} = 1 \text{ degree because Mercury orbital circumference} = 360 \text{ mkm} = 360 \text{ degrees}$

Shortly

Their motions effects their creation data

## 4-Mercury Motion proves "Solar System Moves One Unified Motion".

4-1 Preface

4-2 Data

4-3 Discussion

### 4-1 Preface

In this point I try to show that Mercury Data expresses one motion of solar system  
But to do we need to analyze Mercury Data as deep as possible

Mercury has many remarkable features of data but the most specific one is his day  
Mercury Day = 175.94 solar days

Specifically – Mercury Day needs 5040 seconds to be 176 solar days

Why this value (5040 seconds) is important at any case??

Because it's defined by 2 other values which are Mercury Day Period and the Solar Day Period – i.e. we don't create the value 5040 seconds – it's found by geometrical rules based on which solar system is created

I wish I can succeed in my task – to show that – the theoretical geometrical structure behind the solar planets data is a great one and the observational results are just small points in this building – means – we can't depend on the observation to define how solar planets are created and moving – the geometrical structure is beyond the observation capacity as research method

We have to use the planets data analysis

Before to start let's remember some important data in following

- Mercury Jupiter Distance = 720.7 million km
- Mercury Jupiter Distance 720.7 million km = Jupiter Diameter x 5040
- $(1/7) \times$  million km = Jupiter Diameter  
(where 7 degrees = Mercury Orbital inclination and 1 degree = 1 million km because Mercury Orbital Circumference = 360 mkm = 360 degrees )
- Mercury Diameter 4879 km x 1 million km = 4879 mkm = Jupiter Orbital Circumference

Review please

- Mercury during 5040 seconds moves a distance = 2 Saturn Diameter (1%)
- Mars during 5040 seconds moves a distance = Saturn Diameter
- Saturn during 5040 seconds moves a distance = Neptune Diameter (1.3%)
- Pluto during 5040 seconds moves a distance = Pluto Diameter x  $\pi^2$

Let's start our argument in following...

## 4-2 Data

### Group No. 1

- i. Mercury moves during his day period (175.94 solar days) a distance = 720.7 mkm = Mercury Jupiter Distance (A)
  - ii. Mercury moves during 5040 seconds a distance = 2 Saturn diameters (1%)
  - iii. Light with supposed Velocity during 5040 seconds passes a distance = 5846 mkm (B)
- (Note Please / Saturn Diameter x Neptune Diameter x 0.98 = 5846 mkm)
- iv. (A) + (B) = 6574 mkm (6574 mkm very near to 6585.32 mkm)

### Group No. 2

- v. 6574 mkm =  $\pi$  x 2092 mkm (Jupiter Uranus Distance)
- vi. 2092 mkm = 0.3 mkm (light know velocity) x 6939.75 seconds
- vii. 627 mkm = 0.3 mkm (light know velocity) x 2092 seconds
- viii. (627 mkm =  $\pi$  x 200 but we know that 200 = 101+99)

(Note Please/ 175.94 days / 5040 seconds = 3016)

(3016 = 25.2 x 119.7)

### Note Please

17.4 degrees (inner planets orbital inclinations total) x0.99 = 17.2 deg = Pluto orbital inclination

23.6 degrees (outer planets orbital inclinations total) x0.99 = 23.45 deg = Earth axial tilt

(180 degrees/2 $\pi$ ) x0.99 = 28.3 degrees (Neptune axial tilt)

Also

Pluto orbital distance = 101 Mercury Orbital Distance

### 4-3 Discussion

Data **Group No. 1** tells a clear meaning...

Mercury motion is done in a company with light motion – that means – we deal with double motion

Light motion (1) + Planet motion (2)

(1)

Light with supposed Velocity during 5040 seconds passes a distance = **5846 mkm**  
(5846 mkm = Mercury Pluto Distance)

(2)

Mercury moves during his day period (175.94 solar days) a distance = 720.7 mkm

When we add these 2 values together

The result will be = **6574 mkm** =  $\pi \times 2092$  mkm (Jupiter Uranus Distance)

Both values together produces this distance which we know perfectly...

(6574 mkm very near to 6585.32 mkm where 6585.32 days = Saros Cycle)

What does that mean??

One energy is transported by 2 motions (light motion + planet motion)

So the energy (=2092 mkm) is transported from Mercury motion (with his companion the light beam) which moves with 1.16 mkm per second

Now this energy is transported to the distance 2092 mkm

### Data Group No. 2 Discussion

The energy which is in distance form (Space = Energy "a hypothesis") will be transformed now into time form

Light with know velocity 0.3mkm/sec will pass this distance 2092 mkm during a period = 6939.75 seconds

So the energy is transformed from distance form into time form

Light needs 6939.75 seconds to pass the distance 2092 mkm (Jupiter Uranus Distance)

But the moon needs 6939.75 days to rotates Metonic Cycle

The energy of Mercury (and his companion light) motions energy will be transported to the moon motion in Metonic Cycle Motion form

This process must be passed by Uranus who has a great effect on it

## Comments

Mercury moves during his day a distance= 720.7 mkm Mercury Jupiter Distance

Mercury moves during 5040 seconds a distance= 2 Saturn Diameters

So

Mercury does motion has 2 effects at least

And by this effect mercury Causes to bind Jupiter Data with Saturn Data (as we will discuss deeply in the next point)

Now we know that

Solar Planets Diameters Total = 2 Jupiter Diameter + 1 Saturn Diameter

(the previous equation is just an example for many others we should discuss in the next point)

## That means

There's a connection between Jupiter data with Saturn Data which makes the solar system one machine where the Energy is transported from point to another through it

The previous discussion is one example only to prove how the solar system motion can be one unified motion

## Conclusion

Solar System moves one unified motion because the energy is transported from point to another through it – and with this energy transportation the motion is transported from planet to another as a motion of gears

## Please Note

(6574 mkm very near to 6585.32 mkm where 6585.32 days = Saros Cycle)

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

Also

6585.32 days (Saros Cycle) we have discussed deeply in the previous paper

## Where

**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)

**6585.39 degrees**

= 115 x (180/π)

= 232.7 degrees x 28.3 degrees =

=278.4 degrees x 23.6 degrees

115 deg = Saros Shadow shift angle 232.7 deg = inner planets axial tilts total

28.3 deg = Neptune axial tilt 278.4 deg = outer planets axial tilts total

23.6 deg = outer planets orbital inclinations total

(Note the moon orbit regresses 19 degrees yearly and regresses the calendar 19 days means 1 day = 1 degrees) - For detailed discussion please review

Solar System Motion Analysis (I) <http://vixra.org/abs/1909.0150>