

Light Velocity Effect On Solar System Geometry

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Abstract

Paper Hypotheses

(I) Light Velocity

- 1- There are 2 light velocities work in the solar system. Which are light known velocity (= 0.3mkm/sec) and light supposed velocity (=1.16 mkm/sec)
- 2- Light supposed velocity (1.16 mkm/sec) creates the distance by its motion (where Space = Energy) –
- 3- Planet Matter is created from the distance energy – that explains the relationship between Planet Matter (diameter or mass) with its orbital distance
- 4- Planet Matter is created from distance energy (Space =Energy) by relativistic effects help (specifically based on length contraction effect the distance energy give a birth for a matter)
- 5- Matter is relative to Light known velocity (0.3mkm/sec), (equation $E=mc^2$ supports that). That's why our 5 senses (material senses) can't discover or realize any other light velocity than the known one (0.3mkm/sec) – and that's why the light known velocity (0.3mkm/sec) is the highest in our universe (Matter Universe)
- 6- Means... the light supposed velocity (1.16mkm/sec) is always around us but we can neither discover nor realize it because our senses are limited to the known one (0.3 mkm/sec)
- 7- Light known velocity (0.3mkm/sec) is produced from the original one (1.16 mkm/sec)

(II) Energy Transportation

- 8- The Solar Group is created from one energy- this energy (light with supposed velocity 1.16 mkm/sec) creates Planets matters, orbital distances and the light known velocity (0.3mkm/sec)
- 9- The solar group is one trajectory of energy – and each planet is a point on this same trajectory –

- 10- That means the Energy is transported from point to another point through the solar system – and that explains Planets Data Dependency where all solar planets data is created relative to each other because they are created from one source (one energy)
- 11- Energy Transportation process should be a crucial proof for this theory –in this paper we should follow energy transportation process details to prove it.

Primary Conclusion

All Solar Planets Data Is Controlled By One Equation Only

Because all planets data is created relative to each – where all data is created from the same source (the same energy) –

i.e.

All data is relative to each other and one Equation only controls all of them –

i.e.

(If I know this Equation and I know just Earth Diameter – as example-, based on this Equation I can conclude Uranus diameter, Mars axial tilt or even Pluto mass.... Any other data I can conclude this equation)

In this Paper we follow the Energy Transportation process to prove it's a fact
Also the paper tries to prove all previous hypotheses

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Please Review This Research Starting Point –
Is the 2737 Phenomenon a Real One?

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

The Assumption Of S. Virgin Mary.
Written in Cairo – Egypt
20th August 2019 (S. George)



1-Intorduction

Solar System Main Features

- Solar system and planets are created based on energy of light motion for 1 second
- Energy of Light motion for 1 second causes planet to move for 1 solar day
- Energy of Planet motion for 1 solar day creates the solar planets and their distances

i.e.

- We have a group of gears work here.... Light motion for 1 second whose energy creates planet motion for 1 solar day

How that can be possible...?

- Through the motions gears- for example planet motion uses energy of light motion for 1 second to produce planet motion for 1 minute – then another planet uses the energy of 1 minute to creates a planet motion for 1 hour- and third planet uses the energy of one hour motion to create a planet motion for one solar day....! Now this group of gears are working continuously ... we will see only planets move in their cycles but these planets cycles create the solar day time parts

Far from this theory details ... how to prove it?

(1)

- Pluto Motion for 1 solar day =406000 km = solar planets diameters total

(2)

- Light supposed velocity for 1 second =1.16 mkm + light know velocity for 1 second = 0.3mkm – the total = 1.46 mkm Per Second

But

- The value 1.46 mkm = π x0.4665 mkm (Neptune Daily Velocity)

i.e.

- Light beam motion for 1 second (2 light velocities together) create Neptune Motion for 1 solar day

Conclusion

It's truth that – the solar system is created based on energy of 1 second motion of light beam – this claim proves need only to analyze solar planets data and follow the energy transportation through the solar system,

By this following we can prove clearly that

(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

IN THE ALMIGHTY GOD NAME
Through the Mother of God mediation

I do this research

2- Methodology

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

- 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-Energy Transportation Process Proves

- 3-1 Planets Axial Tilts
- 3-2 Distances Equality
- 3-3 Matter Creation Process

3-1 Planets Axial Tilts

I-Data

Equation No. (1)

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

II-Discussion

How to explain Equation No. (1)? Let's try to do that in following:

(I have claimed that – there are relativistic effects in the solar group – and based on that – the rate 1.0725 is found as length contraction effect rate)

- Neptune Axial Tilt 28.3 degrees is the master value in this equation because Neptune reflected Jupiter energy toward the solar inner planets
- Neptune Axial Tilt 28.3 degrees will be contracted with the rate 1.0725 to produce 26.7 degrees (Saturn Axial Tilt) (and that may explain why Neptune orbital distance = Saturn Orbital Distance x π)

Then

- Saturn Axial Tilt 26.7 degrees will be contracted by the same rate (1.0725) to produce 25.2 degrees (Mars Axial Tilt) (that may explain Why Mars Orbital Circumference = Saturn Orbital Distance=1433.5 mkm)

Then

- Mars Axial Tilt 25.2 degrees will be contracted (1.0725) to produce 23.4 degrees (Earth Axial Tilt) (that explain Why Earth Orbital Distance = Earth Mars Distance x Mars Orbital Inclination)

For Relativistic Effects Discussion Please Review

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

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

A Conclusion

The Energy must be transported between these 4 planets axial tilts which supports the claim that Energy is transported through the solar system

And

Based on the energy transportation process – the planets data be in consistency relative to each other as we have seen

3-2 Distances Equality

I- Data

Group No. 1

- 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 x π
- Earth Neptune Distance = Mercury Saturn Distance x π
- Jupiter Uranus Distance = Venus Jupiter Distance x π
- Jupiter Pluto Distance = Uranus Neptune Distance x π
- Uranus Pluto Distance = Earth Orb. Circumference x π
- Neptune Orb. Distance = Saturn Orb. Distance x π
- Pluto Orbital Distance = Earth Orb. Circumference x π

Why These Distances Are Equal?

Group No. 2

1. $\frac{\text{Earth Daily Motion } 2.58 \text{ mkm}}{\text{Moon Orbital Circumference } 2.41 \text{ mkm}} = 1.0725$ (No Error)
2. $\frac{\text{Apogee orbital radius } (406000 \text{ km})}{\text{Total Solar Eclipse radius } (378500 \text{ km})} = 1.0725$ (No Error)
3. $\frac{778.6 \text{ mkm Jupiter Orbital Distance}}{720.3 \text{ mkm Jupiter Mercury distance}} = 1.0725$ (0.7%)
4. $\frac{720.3 \text{ mkm Jupiter Mercury distance}}{670 \text{ mkm Jupiter Venus Distance}} = 1.0725$ (No Error)
5. $\frac{670 \text{ mkm Jupiter Venus Distance}}{629 \text{ mkm Jupiter Earth Distance}} = 1.0725$ (0.6%)
6. $\frac{\text{Saturn Orbital Distance } (1433.5 \text{ mkm})}{\text{Sarun Venus Distance } (1325.3 \text{ mkm})} = 1.0725$ (Error 0.8%)
7. $\frac{\text{Saturn Earth Distance } (1284 \text{ mkm})}{\text{Sarun Mars Distance } (1205.6 \text{ mkm})} = 1.0725$ (Error 0.7%)
8. $\frac{\text{Uranus Orbital Distance } (2872.5 \text{ mkm})}{\text{Uranus Mars Distance } (2644 \text{ mkm})} = 1.0725$ (Error 0.7%)
9. $\frac{\text{Jupiter Orbital Circumference } (4894 \text{ mkm})}{\text{Neptune Orbital Distance } (4495.1 \text{ mkm})} = 1.0725$ (Error 1.5 %)

Why These Distances Are Not Equal?

II – Discussion

Let's summarize the idea in following..

Group No. 1

Why These Distances Are Equal?

Because

Any 2 equal distances are created as 2 light beams – an original light beam and a reflected light beam

The original and reflected beams are equal in length – that's why these distances are equal each other

The previous explanation is so simple one – and we need more deep analysis to see the complete geometrical structure because many distances used (π) which tells us that the equality depends on more complex process than the direct reflection

Group No. 2

Why These Distances Are NOT Equal?

Because

There are relativistic effects in the solar system- now the relativistic effects are different from point to point why? Because the energy is seen in light beam form or in matter form – that means we have more than one frame in the solar group

If one distance is located in some frame and its reflected distance is found in another frame that will create length contraction effect

Which shows the 2 distances as 2 values with a rate 1.0725 between both

(Or other rates – as we have discussed before – 71 or 7.1 are length contraction rates also)

That explains why these distances are not equal

Conclusion

Previous data with its discussion tell us that – the energy is transported from point to another point through the solar system

And based on Energy transportation the distances became equal or rated with defined rate

The previous data is a real proof for my claim

3-3 Matter Creation Process

I-Data

- ❖ $720.7 \text{ mkm (Mercury Jupiter Distance)} = (71)^2 \times 142984 \text{ km (Jupiter Diameter)}$
- ❖ $1205 \text{ mkm (Mars Saturn Distance)} = (71)^2 \times 2 \times 120536 \text{ km (Saturn Diameter)}$
- ❖ $50.3 \text{ mkm (Mercury Venus Distance)} = (71)^2 \times 2 \times 4879 \text{ km (Mercury Diameter)}$
- ❖ $119.7 \text{ mkm (Venus Mars Distance)} = (71)^2 \times 2 \times 12104 \text{ km (Venus Diameter)}$
- ❖ $\pi \times 41.4 \text{ mkm (Venus Earth Distance)} = (71)^2 \times 2 \times 12756 \text{ km (Earth Diameter)}$
- ❖ $108.2 \text{ mkm (Venus Orbital Distance)} = (71)^2 \times 21346 \text{ km (Mars Circumference)}$
- ❖ $1622.7 \text{ mkm (Uranus Neptune Distance)} = (71)^2 \times 2 \times 160592 \text{ km (Uranus Circumference)}$
- ❖ $778.6 \text{ mkm (Jupiter Orbital Distance)} = (71)^2 \times 155597 \text{ km (Neptune Circumference)}$
- ❖ **$17.4 \text{ mkm} = (71)^2 \times 3475 \text{ km Earth Moon Diameter}$**
(Previous Data Max Error 1.6%)
- ❖ $78.3 \text{ mkm (Earth Mars Distance)} = (71)^2 \times 7511.4 \text{ km (Pluto Circumference)}$
(Error 3.2%)

II- Discussion

Planet Diameter Creation rule can be concluded easily from the previous data

Let's remember the matter creation principle in following...

The matter is created from distance energy by length contraction effect – but not only- the matter also is created based on the quantum measurement as we know perfectly – for example in double production experiment – gamma rays 1.2 Mev can produce electron and positron but Gamma rays 1 Mev can't

So –length contraction effect can be useful to produce a matter only if the energy equal the matter required quantum of energy

Please note

The matter creation process uses double contraction $(71)^2$ – length contraction rate 71 is produced by velocity $v=0.9999c$ which I claim is found in the solar system (Earth registered velocity may support this claim where Earth velocity $=0.0001c$ which is a complementary velocity for $0.9999c$ and together consist c velocity (0.3 mkm/sec))

But Matter Creation uses $(71)^2$ – may that be the matter creation basic requirement- but we should notice that not all $(71)^2$ produce matters that because the matter is created based on quantum measurements – for that reason –

$86400 \text{ mkm} = (71)^2 \times 17.2 \text{ mkm}$ – here the result 17.2 mkm still is distance form and don't produce matter – because the result isn't sufficient by quantum measurements

Deep Discussion

Let's return to the previous Data

Each planet is produced from specific distance which should be its most important distance – is it clear in the data? Let's discuss the first calculation in following:

$$720.7 \text{ mkm (Mercury Jupiter Distance)} = (71)^2 \times 142984 \text{ km (Jupiter Diameter)}$$

Mercury Jupiter Relationship is so strong - so the previous calculation expresses a real fact we know perfectly...let's review some of their Data

- Mercury during his day period moves a distance = Mercury Jupiter distance
- Mercury Diameter x 1 mkm = Jupiter orbital circumference
(But 1 mkm = 1 degree because mercury orbital circumference = 360mkm = 360 degrees)
- (Jupiter diameter 142984 km = 1mkm /7) but we know that Mercury orbital inclination = 7 degrees
- $(71)^2 = 5041$ but we know that Mercury Day needs 5040 seconds to be 176 solar days...

Comment

Of course the geometrical mechanism will tell us how this data is created depending on each other – But even without this geometrical mechanism – the data left no doubt that Mercury & Jupiter connected with each other more than to any other planet – that's why Jupiter diameter is created based on Mercury Jupiter Distance

Let's use Calculation No. 2

$$1205 \text{ mkm (Mars Saturn Distance)} = (71)^2 \times 2 \times 120536 \text{ km (Saturn Diameter)}$$

Mars Orbital Circumference = Saturn Orbital distance = 1433.5 mkm

There's no any other 2 planets in the solar system has this specific relationship

So

The logical idea is that – Saturn Diameter is created based on his distance to Mars

But why 2 diameters?!

The geometrical mechanism will tell us why...

Any way the value "2Saturn Diameter" is found frequently in the solar system

For Example

We know that Mercury Day needs 5040 seconds to be 176 solar days...

But During 5040 seconds

Mercury moves a distance = 2 Saturn diameter

Where

Mars moves a distance = Saturn diameter

Now let's discuss the moon diameter creation in following

17.4 mkm = (71)² x 3475 km Earth Moon Diameter

(1)

17.4 degrees = Inner planets orbital inclinations total

17.4 degrees x 0.99 = 17.2 degrees = Pluto orbital inclination

(2)

We know that 1 mkm = 1 degree because Mercury orbital circumference = 360 mkm = 360 degrees

Now

Earth Moon Diameter (3475 km) is produced by double length contraction effect based on the distance 17.4 mkm – why relating to this distance?

Because the moon diameter is a rate between other planets diameters (and distances)

The following data may explain my point of view as clear as possible

Additional Data (1)

i. The Sun Diameter x The Moon Diameter = Jupiter Orbital Circumference

ii. Jupiter Circumference x the Moon Circumference = Jupiter Orbital Circumference

iii. Mars Circumference x The Moon Circumference = Mars Orbital Distance

iv. 43000 km x The Moon Diameter = Earth Orbital Distance

(Apogee Radius 0.406 mkm – Apogee radius 0.363 = 43000 km – so this is the distance which the moon can pass from perigee point of apogee point – so we can call it – the moon motion freedom distance)

v. Venus Diameter x The Moon Diameter = Earth Venus Distance

Additional Data (2)

The Moon Circumference 10921 km x 27.3 days = 300000 km

This equation tells is the moon rotates around his axis once daily – so during his orbital period will pass the distance which light pass during 1 second

The Moon Circumference 10921 km x 86400 seconds = 940 million km

This equation tells if earth revolves the sun a complete revolution in 1 day only so the moon circumference will be a distance of 1 second of Earth Motion

43000 km x 27.3 days = 1.16 million

This equation tells the energy of light motion for 1 second = 1.16mkm is divided between 43000 km (perigee apogee distance) and 27.3 moon orbital period – that means the energy defines the spacetime coordinates – and means – Spacetime coordinates isn't an empty coordinates – it's a coordinates made of energy so when we use energy for space we less the energy for time

Conclusion

(1) Energy is Transported through solar group distances from Planet to another

(2) Matter is created from distance energy by double length contraction effect considering the matter quantum requirements

(3) Earth Moon is specific Planet in the solar system shows a direct relationship with light velocities and their energies

4- Pluto Energy is sent toward Earth and Moon

4-1 Pluto Motion depends on light motion energy (A summarized discussion)

4-2 Pluto Earth Relationship (A summarized discussion)

4-3 Period of time =500 seconds (Full Discussion)

4-1 Pluto Motion depends on light motion energy (Data Only)

Main Idea

Energy of Light beam motion (with supposed velocity 1.16 mkm/sec) for 1 second causes Pluto to move for 1 solar day (0.406 mkm= Pluto Velocity Daily)

By Pluto motion energy for 1 solar day the solar planets are created

Based on this idea

The rate (1.16 mkm/0406 mkm) should control all planets basic data – is it truth?!

I-Data

Table No.1	The Rate = A = 2.857= (1.16/0.406)		
A is The Rate between 2 Values		= 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	
25920mkm /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%
Saturn diameter 120536 km/43000 km (moon motion freedom)		= A	
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 / π^2		= A	
Earth Moon Orbi. Inclination 5.1 deg/1.8 deg Neptune orbi. Inclination		= A	0.7%
(7 deg= Mercury orbi. Inclination) ² / (17.2deg Pluto orbi. Inclination)		= A	
177.4 deg (Venus Axial Tilt) / $2\pi^3$ =		= A	

II- Discussion

The previous table shows different data which are example of many others
One look at this table may support clearly the claim that
Solar planets data are created based on the rate (A)= (1.16 mkm/0406 mkm)

Let's summarize the table main features in following:

- The table uses many total values as (**Outer Planets Axial Tilts Total 278.4 deg - 41 deg (planets orbi. inclinations total) and 511.1 deg (planets axial tilts total)**)...The using of such total values tells us easily that the rate (A) controls Planets Basic Data
- The table shows easily deep relationships between different planets such as (**Jupiter Diameter 142984 km / Neptune Diameter 49528 km**)=A
This equation is important because Jupiter is the solar system main energy source and Neptune reflects Jupiter energy toward the inner planets – that's why both planets rated with the Rate (A)
- **655 mkm (Jupiter Saturn distance) /227.9mkm (Mars orbital distance) =A**
this equation is so important because Saturn connects between Jupiter and Mars – that means these 2 distances are created as a direct effect of the rate (A)

Please Note

- **Solar Planets Masses Total / 0.5 Jupiter Mass=A**

And

- **41 deg (planets orbi. inclinations total) x 2/ Neptune axial tilt 28.3 deg**

The previous 2 equation tells us there's some relationship between 2 and 1 – where the data uses 0.5 of Jupiter mass and double Planet orbital inclinations total – that tells we deal with 2 values relative to 1 another value... and we know the rule because

(a)

2 Jupiter diameters + 1 Saturn diameter = solar planets diameters total

(b)

2 Jupiter circumferences – 2 Saturn circumferences = 1 Jupiter diameter

(c)

Saturn diameter – Jupiter radius = Neptune diameter x 0.99

The previous tells us that the relationship $(f(z) = 2x + 1 y)$ is a basic rule in the solar system geometry (as we have discussed before) now the table 2 calculations supports this same claim -

This discussion is summarized – but the table data analysis can support the paper claim clearly and strongly

Let's move further.... to the following point

4-2 Pluto Earth Relationship (Data Only)

I-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

i.e.

$$\frac{153 \text{ h PLuto Day}}{24 \text{ h Earth Day}} = \frac{29.8 \text{ km (Earth Velocity)}}{4.7 \text{ km (Pluto Velocity)}} = \frac{\text{Pluto Orbital Distance } 5906 \text{ mkm}}{\text{Earth Orbital Circumference } 940 \text{ mkm}} = 2\pi$$

More Data

(1)

$$\frac{366000 \text{ km Outer Planets Diameters Total}}{2390 \text{ km PLuto Diameter}} = 153$$

Note Please : 153 hours = Pluto Day

(2)

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

(3)

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

(4) Pluto orbital period 90560 d. = $2\pi^3 \times 1461 \text{ d.}$ (Earth cycle 365+365+365+366)

(5) 17.4 deg (inner planets orb. inclinations To.) x 0.99 = 17.2 deg (Pluto orb. Incl.)

ALSO 23.6 deg (outer planets axial tilts Total) x 0.99 = 23.4deg (Earth axial tilt)

(6) 122.5 deg. (Pluto axial tilt) = 23.45 deg. (Earth axial tilt) x 5.22 deg (where 5.1 deg = Earth Moon orbital inclination – error 2.5%)

(7) **113.45 mkm = 1.16 mkm/sec x 97.8 seconds**

II- Discussion

This data we have discussed frequently ... the data strong similarity left no doubt that there's a relationship between Pluto on one side and Earth with her moon on the other side –

This relationship is a treasure because it's a suitable example for Energy transportation process – so this relationship analysis will show clearly how the energy is transported from any planet to any other planet...

Our task here is to analyze Pluto –Earth relationship to see how energy transportation process details... as I hope to do following

(Note 113.45 mkm = 1.16 mkm/sec x 97.8 seconds- where 113.45 mkm=113.45 degrees – but 113.45 degrees = 90 degrees + 23.45 degrees (Earth Axial Tilt) i.e. 113.45 deg = Earth Axial Tilt vertically – it's just example – Where Earth & Pluto Data harmony we have discussed before)

4-3 Period of time =500 seconds (Full Discussion)

I-Data

Group No. 1

1- Light known velocity (0.3mkm) needs 500 seconds to pass Earth orbital distance (149.6mkm)

2- 580 mkm = 1.16 mkm/sec x 500 seconds

3- 580 mkm + 149.6 mkm (Earth Orbital Distance) = 729.6 mkm (Mercury Jupiter Distance) (1%)

4- 729 mkm x 0.8 = 580 mkm where 778.6 mkm x 0.8 = 627 mkm

5-

a- 580mkm = 278.4 days x 2.082 mkm/daily (Mars Velocity Daily)

b- 580mkm = 1433.5 days x 0.406 mkm/daily (Pluto Velocity Daily)

c- 580mkm = 243 days x 2.41 mkm/daily (Moon Orbital Velocity)

d- 580mkm = 113.45 days x 5.1 mkm/daily (Earth + Moon Velocity Daily)

Group No. 2

i. 580 days x 2.082 mkm/daily (Mars Velocity Daily)= 1205 mkm (Mars Saturn Distance)

ii. 580 days x 1.1318 mkm/daily (Jupiter Velocity Daily)= 655 mkm (Jupiter Saturn Distance)

iii. 580 days x 3.02 mkm/daily (Venus Velocity Daily)= π x 550.7 mkm (Mars Jupiter Distance) (error 1.2 %)

iv. 580 days x 4.095 mkm/daily (Mercury Velocity Daily)= π x 778.6 mkm (Jupiter Orbital Distance) (error 3%)

v. 580 days x 2.58 mkm/daily (Earth Velocity Daily) x2 = 3000 mkm (Uranus Pluto Distance) (error 3%)

vi. 580 days x 0.5875 mkm/daily (Uranus Velocity Daily)= 2x 170 mkm (Mars Mercury Distance)

vii. 580 days x 0.838 mkm/daily (Saturn Velocity Daily)= 2 x 243 mkm

viii. 580 days x 0.406 mkm/daily (Pluto Velocity Daily)= 237 mkm

II-Discussion

Let's summarize the basic arguments in 2 points only

(1)

The value 500 seconds is transporting from Pluto to Earth as energy trajectory – because the distance is energy and time value can work as distance value (in relativistic effects form) – that means – the time is energy also (because it's equivalent for distance) – so this energy is transported from Pluto to Earth

But

Not Directly but through other planets motions and data – means the value 500 is found in all solar planets

We find 500 seconds in Pluto and Earth Data as clear examples but this same value can be found with other solar planets

(2)

The value 580 mkm can be used as 580 days (time period) which proves

(1st) Time and Distance Values can be equivalent as relativistic effect

(2nd) the distance 580 mkm is a motion of light beam

Let's discuss the point no. (2nd) at first in following

(2nd) The Distance 580 Mkm Is A Motion Of Light Beam

We agreed that time and distance values can be equivalent in relativistic effects

Please review

Time And Distance Equivalence (Proves)

<http://vixra.org/abs/1904.0125>

We know that 1.16 mkm/sec (light supposed velocity) $\times 500 \text{ seconds} = 580 \text{ mkm}$

but

We see 580 mkm is used as 580 days frequently...let's review group no.2

Group No. 2

- i. $580 \text{ days} \times 2.082 \text{ mkm/daily}$ (Mars Velocity Daily)= 1205 mkm (Mars Saturn Distance)
- ii. $580 \text{ days} \times 1.1318 \text{ mkm/daily}$ (Jupiter Velocity Daily)= 655 mkm (Jupiter Saturn Distance)
- iii. $580 \text{ days} \times 3.02 \text{ mkm/daily}$ (Venus Velocity Daily)= $\pi \times 550.7 \text{ mkm}$ (Mars Jupiter Distance) (error 1.2 %)
- iv. $580 \text{ days} \times 4.095 \text{ mkm/daily}$ (Mercury Velocity Daily)= $\pi \times 778.6 \text{ mkm}$ (Jupiter Orbital Distance) (error 3%)
- v. $580 \text{ days} \times 2.58 \text{ mkm/daily}$ (Earth Velocity Daily) $\times 2 = 3000 \text{ mkm}$ (Uranus Pluto Distance) (error 3%)
- vi. $580 \text{ days} \times 0.5875 \text{ mkm/daily}$ (Uranus Velocity Daily)= $2 \times 170 \text{ mkm}$ (Mars Mercury Distance)
- vii. $580 \text{ days} \times 0.838 \text{ mkm/daily}$ (Saturn Velocity Daily)= $2 \times 243 \text{ mkm}$
- viii. $580 \text{ days} \times 0.406 \text{ mkm/daily}$ (Pluto Velocity Daily)= 237 mkm

Why the previous data is a proof? Because the planets with their real velocities produce real distances

Mars for example produces his distance to Saturn which is Mars most important distance

(**equation v** uses number 2 in the equation because the working velocity contains Earth velocity + moon velocity and we know they move by equal velocity otherwise they may be separated from each other)

(**equation vii** produces 243 mkm "Mercury moves 243 mkm during its rotation period" so it's a real distance also)

(**equation viii** produces 237 mkm and we know that solar day = 237 seconds of the sun rate of time – so the 237 seconds is seen here as 237 mkm – not very strange number for example we frequently dealt the value 86400 mkm which corresponds to 86400 seconds)

What we try to prove here?

The value 580 days is a working value in solar group geometry

Why this is important?

Because

The distance 580 mkm is produced from $1.16 \text{ mkm} \times 500 \text{ seconds}$ – so this calculation tells that the 580 is a distance = 580 mkm but we see it here as 580 days – that supports my claim "time and distance equivalent"

But more important

It tells us that this motion (580 mkm) is done by a light beam because it's seen by us as a time value

Group No. 1 of data shows how this distance 580 mkm (Energy) which is found by light motion (1.16 mkm/sec) for 500 seconds

How this distance (Energy) is transported from point to another through the solar group

Where Group No. 1 is so complex because the solar planets are created relative to each other and their motions depend on each other – for that to see clearly the Energy transportation process will be a real complex analysis

But group No. 2 of data provides us a real treasure because it tells that – the distance is done by light and we see it as a time value because the light velocity creates relativistic effects for us

For Time And Distance Equivalence detailed discussion please review

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

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

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

The Time Definition <http://vixra.org/abs/1805.0523>

III-More Discussion

Why There's A Relationship Between Pluto And Earth?

This question we know its answer

There's a light beam with velocity 1.16 mkm/sec is sent from Pluto to Earth transporting the energy...we have discussed that also.... But

- (1) What Energy the light beam transports to Earth
- (2) What does prove this transportation process?

Let's summarize the story in following:

Main Idea

- To produce the sun rays we need the factor c^2 which = 90000 mkm as we have discussed before
- The 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 **=580 mkm = π 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)

We have 2 questions here (1st) what does prove Pluto contribution? (2nd) why Pluto contribution depends on the value 1433.5 days (where Saturn orbital distance =1433.5mkm)?

Basic Analysis

- Sun Diameter 1392000 km = **580** x Pluto Diameter 2390 km
- 149.6 mkm = 500 seconds x 0.3 mkm/sec (that means – light with known velocity 0.3mkm/sec needs 500 seconds to reach Earth from the sun)
- 580 mkm = 500 seconds x 1.16 mkm/sec (that means – light with velocity 1.16 mkm/sec travels **580 mkm** during the same 500 seconds) – that means we have here 2 light velocities work based on the same period of time – that's the basic reason which explains why Pluto data is similar to Earth data – because the data of both of them are created by light beams based on the same time period..

This story is so complex – we may refer to it shortly as possible

- **580 mkm** = 590 mkm x 0.99
- **590 mkm** = 4.37 mkm (The Sun Circumference) x 135.5 mkm (this distance we have discussed before) – this equation tells that the value 590 mkm is so effective in the sun creation based on the distance 135.5 mkm – which we have discussed in the previous paper

Please review

Matter Creation Principle (Part IV) <http://vixra.org/abs/1908.0289>

But we know that- the sun creation depends on the distance 627 mkm (Earth Jupiter Distance)So

- **580 mkm** x 1.0725 = 627 mkm (we know that the rate 1.0725 is lorentz length contraction rate) –

Please review

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

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

For Distance 627 mkm – please review

https://www.academia.edu/40009799/Solar_System_Geometry_Summarized_Discussion_-_Part_3

(Please remember 5040 minutes (supposition) x 0.99 = 4989.6 minutes

4989.6 m x 60 = 299376 seconds – light with known velocity 0.3mkm/sec passes a distance = 89812.8 mkm during this period

89812.8 mkm = 86400 mkm + 3413.5 mkm ... where

90000 mkm = 86400 mkm+ 3600 mkm ... that tells ... there are other calculations done by light known Velocity (0.3mkm/sec)

Where

Jupiter orbital circumference 4900 mk= 3413mk+1433.5mk (Saturn orbit. Distance)

5040 seconds are required for Mercury Day to be 176 solar days

Why Pluto uses 1433.5 days to define his contributed distance?

I- Data

(1)

5906 mkm (Pluto orbital distance) = 4.095 mkm (Mercury velocity daily) x 1433.5 days

(Where 1433.5 mkm = Saturn Orbital Distance)

(2)

$$\frac{41.4 \text{ mkm (Earth Venus Distance)}}{0.406 \text{ mkm (Pluto motion Daily)}} = \frac{5906 \text{ mkm PLuto Orbital Distance}}{57.9 \text{ mkm Mercury Orbital Distance}} = \frac{2 \text{ Saturn Diameter}}{\text{Pluto Diameter}}$$

(3)

Saturn Diameter = (7.1) x Pluto Diameter

(4)

580 mkm = 0.406 mkm (Pluto velocity daily) x 1433.5 days

Why Pluto contributed motion depends on 1433.5 days?

Because Saturn defines Pluto Orbital Distance

That's Why

Mercury Saturn Distance = Pluto Neptune Distance

And

Mercury Neptune Distance = Saturn Pluto Distance

The distances equal tells that the energy is transported from point to another but also tells us there's a geometrical reason by which Pluto orbital distance (5906mkm) can't prevent his effect on the inner planets motions – means – Pluto contribution is done basically because of this geometrical mechanism by which the distances are equal

And that tells also – Pluto Contribution is real one

Please Note

25920 mkm = 7 mkm x 2π x **590mkm**

Where 7mkm = 7 degrees (Mercury orbital inclination) – the value **590mkm** we have discussed in the previous point – and we know that – the light with known velocity travels 25920 mkm during 86400 seconds (solar day) – that tells us the value 590 mkm is a basic value in the solar group geometry and it expresses Pluto effect on the sun rays creation process...

Note Please

Based on 1 second of light motion the solar system is created?
How can we understand that? Or prove it?

28.3 degrees (Neptune Axial Tilt) (we have proved that in Energy Transportation Process Proves)

We use 28.3 seconds x 1.16 mkm /sec = 33 mkm

$(33/4) = 8.25$ mkm = 8.25 degrees

Sun Obliquity to ecliptic = 7.25 (deg.)

8.25 degrees – 7.25 degrees = 1 degree = 1 mkm and in this cases = **1 Second**

This is the 1 second of light motion whose energy is used to build the solar system

Note Please

625 seconds x 1.16 = 725 mkm (Perfect Accurate)

That tells 625 mkm (Earth Jupiter Distance) and 725 mkm (Mercury Jupiter Distance) both are created based on the same light motion

How Moon Perigee Radius is created?

0.406 mkm (Apogee radius) = 1.16 mkm x 0.35 seconds (=0.35 mkm)

0.35 mkm + Earth diameter = 363000 (Perigee Radius)

Please Note

The Sun Diameter = π^2 x Jupiter Diameter

Saturn Diameter = π^2 x Venus Diameter

3600 = π^2 x 365.25

Earth Pluto distance = π^2 x 580 mkm

That tells π^2 is using for a geometrical reason-

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