

## Solar System Geometry (Summarized Discussion)

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### Abstract

The Solar Group Geometrical Basic Features:

- 1- The Solar Group is One Trajectory of Energy and Each Planet is A point on it
- 2- The sun light is produced by accumulation of planets motions energies and transformation the mechanical waves into light waves
- 3- Solar Planets Data are created relative to each other
- 4- There Are relativistic effects in the solar group
- 5- The unit definition is relative and can change according to the observer situation

This paper discusses and tries to prove the previous features

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Through the Mother of God mediation  
**I do this research**

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## Planetary Fact Sheet - Metric

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

### Note Please

- I Use this Data basically in all my papers you can find it on the following link (<https://nssdc.gsfc.nasa.gov/planetary/factsheet/>)
- I analyze this data to conclude the geometrical rules behind it
- I analyze this Data based on **the following hypothesis:**

**There's One Equation Controls All Previous Data. i.e. All Planets Data Are Created Relative To Each Other And There's One Equation Only Controls All This Table Data –**

In following Page I provide my suggested description for the solar group which may explain this hypothesis reasoning

## **Solar Group alternative Description (My Suggested 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 this same machine...

**That 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..

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)–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.

## 1- Introduction

I study the solar group geometry based on the previous description  
We have many new concepts which we need to take into consideration to make progress in our study

Let's summarize them in following

- **Distance = Energy**

This is one of the main concepts in my study and we have to follow it perfectly because the distances equality is the method which can tell us if the energy is transported from some point to another one

- **Distance And Time Values Can Be Equivalent**

This concept we have discussed before and I have suggested that as relativistic effect the time values can be equivalent to the distance values

Please review

Time And Distance Equivalence (Proves)

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

- **There are relativistic effects in the solar group**

Please review

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

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

- **The Energy travels from point to another through the solar group**

Please review

Solar Group Geometrical Structure

<http://vixra.org/abs/1805.0081>

## 2- Methodology

### (I)

- I use the planet data analysis as a research method – I try to conclude the geometrical rules based on which the planet data is created (Planet Data means ..Planet Diameter, Mass, Orbital Distance, Orbital Inclination, Axial Tilt...etc)
- I use NASA Planetary Fact Sheet (<http://nssdc.gsfc.nasa.gov/planetary/factsheet/>)

### (II)

I depend on **The Data Direction**

What does mean **The Data Direction**?

Let's use an example to explain that in following:

### **Example**

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

I have tried to explain this equation before- nevertheless - let's try to conclude the basic idea behind this equation

### **What can we conclude here?**

There's **A Dependency** Between these 4 Planets Axial Tilts

Someone will claim that's "Pure Coincidence"! but we see it's somehow difficult to accept the same pure coincidence **three times**

So we have to conclude that there's some relationship between these planets axial tilts So- the Equation explanation is hard – but **The Data Direction** is clear- there's some relationship between These Planets Axial Tilts...let's see the next equation..

$$\frac{115.2 \text{ Mars axial tilt}}{113.7 \text{ Earth axial tilt}} = \frac{116.7 \text{ Saturn axial tilt}}{115.2 \text{ Mars axial tilt}} = \frac{118.3 \text{ Neptune axial tilt}}{116.7 \text{ Saturn axial tilt}}$$

The Previous equation supports the same Data Direction –it tells – there's a deep relationship between These Planets Axial Tilts – and this relationship is seen between these planets axial tilts on the horizontal level as well as on the vertical level.

### 3- Jupiter Energy

3-1 Jupiter & Saturn diameters are created relative to each other  
3-2 Jupiter Owns The Solar Group Main Energy

### 3-1 Jupiter & Saturn diameters are created relative to each other

#### I- Data

#### Group No. 1

Let's see some Data in following

(1)

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

(2)

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

(3)

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

(4)

Jupiter Circumferences - Jupiter Diameter =  $\pi^5 \times 1000 \text{ km}$  (No Error)

(5)

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

#### Group No. 2

(6)

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

i.e.

**Jupiter Diameter = 8 Planets Diameters Total**

(7)

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

#### II- The Discussion

The direct simple idea can help us greatly ...

What do the previous 7 equations tell us ?

#### Basic Conclusions:

1- Based on Jupiter diameter all solar planets diameters were created (Jupiter owns the solar group main energy)

2- There's an important relationship between Jupiter and Neptune

3- Saturn diameter is born from Jupiter Diameter by Neptune Effect.

The 3<sup>rd</sup> conclusion is seen easily from Equation No. 7

Let's discuss it in following...

(7)

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

What does this equation tell us?

It tells there's some missing **Number 2** here.... Because Jupiter uses its radius...

So the complete equation maybe as following...

**2 Saturn Diameters – Jupiter Diameter= 2 (Neptune Diameters x 0.99)**

The rate 99% we will discussed in the next sub-point (4-4) of this paper

### **So What Does The Complete Equation Tell Us?**

The value 2 completes the equation clearly....

Please review equations No. 1, 2, 3, and 6

It's clearly proved that - Jupiter and Saturn relationship necessities to create number 2 in all equations – I release myself from the claim "Pure Coincidences"- where we discuss the geometrical logic behind the matter creation...

Jupiter and Saturn Creation required 2 Jupiter Diameters as basic requirement for the creation process- that means – the 2 diameters can't be created as 1 Jupiter diameter and 1 Saturn diameter! – The Geometrical Structure needs in fact 2 Jupiter diameters + 1 Saturn diameter –

So let's summarize our conclusion here in following....

- 1- Jupiter and Saturn Diameters were created based on a geometrical reason together and no one diameter is created independently from the other...
- 2- The geometrical reason behind Jupiter and Saturn Creation process needs to use **2 Jupiter Diameters to create 1 Saturn Diameter**

Now we have a treasure in our hands – it's the **Number 2** –

The number 2 (or the double value) can always be our guide while we try to see how the matter is created from the energy...

Now let's try to prove the first conclusion (of the basics conclusions)

**Based on Jupiter diameter all solar planets diameters were created (Jupiter owns the solar group main energy)**

**Jupiter Diameter=8 Planets Diameters Total**

**1<sup>st</sup> Conclusion Proves**

**The Conclusion**

**Based on Jupiter diameter all solar planets diameters were created (Jupiter owns the solar group main energy)**

Let's write the whole story in following:

### **3-2 Jupiter owns The Solar Group Main Energy**

#### **Additional 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
  - o **The 2<sup>nd</sup> Trajectory is sent toward Earth & Venus (86400 mkm)**
  - o 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**

**4495.1 Neptune Orbital Distance=**

**= 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.

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

## Group (II)

### **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%)

**(Please 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**

(Earth and Jupiter are at 2 sides from the sun i.e.  $940\text{mkm} = 778.6\text{mkm} + 149.6\text{mkm}$ )

### **Deep Discussion**

I fight here for a clear argument

We can't simply refuse hundreds of data under the illogical cover "pure coincidences" and ignore the direct clear conclusion that

### **The Matter And Space Are Created From The Same Energy...**

Even we know the energy motion direction through the solar group-  
The claim simply is supported by the planets diameters and orbital distances...

Let's return to Equation No. 7

#### (7)

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

The equation is clear before our eyes...

The relationship between Jupiter and Neptune produced Saturn Diameter

But

Jupiter and Neptune relationship is found based on 2 days of sending energy by Jupiter – and the Number 2 is just kept inside the energy and transferred from hand to hand to be seen frequently in the solar planets data

That's why Jupiter uses his radius in the Equation No. 7

The light beam with velocity 1.16 mkm/sec I have discussed in my previous paper

There's A Light Beam Travels With 1.16 mkm/sec

<http://vixra.org/abs/1904.0236>

Also please review

Solar Group Geometrical Structure <http://vixra.org/abs/1805.0081>

## 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

(5-1)

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

(5-2)

During 5040 seconds

- Mercury moves a distance = 2 Saturn Diameters
- Mars moves a distance = Saturn Diameter

(5-3)

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

(5-4)

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

### II-Discussions

Equation 5 and 5-2 tells us that

Jupiter and Saturn diameters are created with some effect of Mercury Motion –

Both of them are related to Mercury Day Period – but the geometrical mechanism is still so hard to be realized- any way the data tells us one more prove – that while Jupiter is produced as 1 diameter – but Saturn is produced as 2 diameters- the geometrical reason still hard to reach but the idea is the same

No

1 diameter for 1 diameter – there's no geometrical prove here

Rather

1 diameter for 2 diameters .... This is the rule which we have discovered in all our previous Data...

Mercury Day Data supports 2 clear claims as following:

- 1- The Solar Group Is Created From One Energy
- 2- 2 Jupiter Diameters are required to produce 1 Saturn Diameter

More deep discussion is hard here – we may complete it in another paper -

#### 4- Solar System Geometry Basic Features (The Sun Origin)

##### The frequent using of the rate 1.0725 in solar planets data

We have discussed the frequent using of 1.0725 as a rate between planets different data –

In this discussion we have 3 tasks to perform:

(1<sup>st</sup> Task) To prove the frequent using of the rate 1.0725 (Sub-point 4-1)

(2<sup>nd</sup> Task) To discuss the geometrical meaning of this rate using (Sub-point 4-2)

(3<sup>rd</sup> task) to suggest how this rate is produced? (Sub-point 4-3)

Eclipse phenomena proves the sun diameter can't be created independently (4-4)

#### 4-1 (1<sup>st</sup> Task) To prove the frequent using of the rate 1.0725

##### I – Data (Distances)

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.  $\frac{\text{Saturn Orbital Distance } (1433.5 \text{ mkm})}{\text{Sarurn Venus Distance } (1325.3 \text{ mkm})} = 1.0725$  (Error 0.8%)
7.  $\frac{\text{Saturn Earth Distance } (1284 \text{ mkm})}{\text{Sarurn Mars Distance } (1205.6 \text{ mkm})} = 1.0725$  (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 %)

##### II – Discussion

The previous list is a sample and the full one is found in my previous paper  
Solar Group Geometrical Structure <http://vixra.org/abs/1805.0081>

#### **4-2 (2<sup>nd</sup> Task) The Frequent Using Of 1.0725 Geometrical Meaning.**

The previous data suggests one important question- which is – Why the rate 1.0725 is used frequently in Planets Data regardless this data type?

As we have seen the rate 1.0725 is used between distances- degrees – time periods..! why this rate is used as such widely without specific connection with any data type?

To see much better ....let's ask

What's the solar group components which effects on all planets regardless this planet great planet in mass or volume or small planet in both? What's this great effective component (player)?

#### **The sun**

The sun effects on all solar planets regardless the planet himself

That's why all solar planets revolve around the sun in the same directions (regardless if these planets axial tilts rotate in the same direction or not) – spite of that – the planet follow the sun great effect and revolves in the same direction as similar as any other planet ...

Regardless the explanation – how this rate 1.0725- is created? What conclusion we can reach here?

#### **Direct Conclusion:**

### **The Rate 1.0725 Is Found Basically By The Sun Effect On The Solar Planets Data –**

that explains – why the rate is used with different types of data and with different planets...

Because it's created by a general effect practiced by the sun herself

### 4-3 (3<sup>rd</sup> Task) How The Rate 1.0725 Is Produced?

Suppose.. There's a physical point moves with  $v_1=0.99 c$  relative to another physical point in the solar group (where  $c =$  light velocity  $0.3 \text{ mkm/sec}$ ).... Based on that Lorentz proper length equation

$$L_o = \frac{L}{\sqrt{1-\frac{v^2}{c^2}}}$$

If  $v_1=0.99$  so

$$\frac{L_o}{L} = 7.1$$

Also Suppose

$$\frac{L_o}{L} = \frac{100}{100} + \frac{7.1}{100} = 1.071$$

The previous Equation supposes that – length contraction rate 7.1 is used by some complex geometrical mechanism to produce 1.071

That means – the length contraction depends on the velocity  $v_1=0.99 c$  which produces the length contraction rate = 7.1

But by some complex geometrical mechanism this rate 7.1 is transformed into 1.071 – that doesn't mean changing of the basic velocity ( $v_1=0.99 c$ ) but means the result of this velocity isn't used directly but used by a complex geometrical mechanism to produce the rate 1.071

(Note 1.071 equals approximately 1.0725 where the difference =1%)

**Now**

If we have  $L_o$  and  $L$  ....And we have found that  $(L_o/L) = 1.0725$

Can we conclude that this rate 1.0725 is found as length contraction effect rate

And can that be a proof for my claim

**(In the solar group there's a physical point moves with  $v_1=0.99 c$  relative to another physical point)**

**(Please Note)**

- i. Because the solar group is one machine –each planet is gear in it – so the relativistic effects can't be limited for any area – that because the rates can be easily transported from point to another point with the moving energy through the solar group.

**Basic Conclusion**

- ii. If the rate 1.0725 is used frequently in planets data as an effect of the sun herself.
- iii. If the rate 1.0725 is produced based on lorentz length contraction phenomena...

So

**The Sun Is Created based on Relativistic Effects**

For relativistic effects delimited discussion please review

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

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

#### 4-4 Total Solar Eclipse Phenomena

### Total Solar Eclipse Phenomenon Proves The Sun Diameter Can't Be Created Independently

the 1<sup>st</sup> question was ... why we see the sun disc= the moon disc?

Because

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

The Previous equation suggests an important question- Why the diameters = the distances rate

And who imagines that, the sun diameter can be created relative to the moon diameter! To perform the total solar eclipse – let's see the following Equation

$$\frac{\text{Moon Orbital Distance}}{\text{Moon Orbital Period}} \times 99 = \text{The Sun Diameter}$$

The previous equation simply tells that the sun diameter is created as a function in the moon orbital distance and period...

In fact

The previous equation tells clearly that – without the Earth Moon –the sun can't be created!

#### Equation Explanation

What's the value 99? Let's try to answer that in following:

#### **Moon Orbit Geometrical Structure**

- i. Earth Moon Distance (Perigee Radius) = The Outer Planets Diameters Total
- ii. Earth Moon Distance (Apogee Radius) = The Solar Planets Diameters Total
- iii. (Perigee – Apogee Distance) = Inner Planets Diameters Total = Earth Circumference

But

Equation no. (i) has error =1%

Means

Outer Planets diameters total 366500 km = Earth Moon distance at perigee radius 363000 (with error 1%)- what's this 1%? It's the moon diameter....

That means

If we add the moon diameter 3475 km to the distance between Earth and Moon at perigee radius (363000) the result will = outer planets diameters total...

Why this is important?

Because the rate 99% we have used frequently in the solar group – and in previous data we have seen that 1% isn't an error but it's found based on geometrical necessity

Based on this conclusion we can see the importance behind the following:

## More Data

- A- 17.4 degrees (The Inner Planets Orbital Inclinations Total)  $\times 0.99 = 17.2$  degrees (Pluto Orbital Inclination)
- B- 23.6 degrees (The Outer Planets Orbital Inclinations Total)  $\times 0.99 = 23.4$  degrees (Earth Axial Tilt)
- C-  $(180 \text{ degrees} / 2\pi) = 28.6$  degrees  $(= 180 \text{ degrees} / 2\pi) \times 0.99 = 28.3$  degrees (Neptune Orbital Inclination)
- D- 41 degrees (Solar Planets Orbital Inclinations Total)  $/\pi = 13.18$  degrees (The Moon Daily Motion Degrees)  $\times 0.99$
- E- Earth Mass  $\times 0.99 =$  The Rest 4 Inner Planets Masses Total

The previous data tells us that – the rate 0.99 is used for geometrical role in the solar group

### Example

Why Earth Mass  $\times 0.99 =$  The Rest 4 Inner Planets Masses Total?

How to answer

We remember double production

Gamma rays (1.2 Mev) produces 1 electron and 1 positron (2 particles equal in masses and different in charges)

So

Earth alone is the great electron (means Earth atom is consisted of a positive nucleus and negative charges move around) (which is truth)

The 4 inner other planets together consist the great positron (nucleus has negative charges and positive charges move around) (my hypothesis)

Now the difference in masses =1% which we have considered as error in measurements- in fact this difference is used as energy binding the 5 planets together

(It's mere idea – I'm not sure it's truth-I'm just try to explain that – the error 1% can be used as a geometrical player which makes the rate 0.99 =99% important geometrical player in the solar system geometry)

For more details about the rate 0.99 please review

Earth Velocity Proves, The Unit Definition Is Relative,

<http://vixra.org/abs/1906.0465>

Unit Definition Is Relative

<http://vixra.org/abs/1906.0465>

## 5-The Sun Creation

5-1 Saturn, Mars & Earth Relationship

5-2 One Year on Earth = One Day on the Sun (Difference Rates of time)

5-3 Total solar planets velocities = 1/4 C (where C =light velocity 0.3 mkm/sec)

### 5-1 Saturn, Mars & Earth Relationship

#### I- Data

1-

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

2-

$$\frac{23.4 \text{ deg. Earth axail tilt}}{2.5 \text{ deg. Satrun orbital inclination}} = \frac{1433.5 \text{ mkm Satrun Orbital Distance}}{149.6 \text{ mkm Earrth Orbital Distance}} = \frac{120536 \text{ km Satrun Diameter}}{12756 \text{ km Earth Diameter}} = 9.5$$

3-

$$\frac{12756 \text{ km Earth Diameter}}{6792 \text{ km Mars Diameter}} = \frac{6792 \text{ km Mars Diameter}}{3475 \text{ km Moon Diameter}} = 1.9$$

4- Mars Orbital Circumference = 1443.5 mkm = Saturn Orbital Distance

5- Saturn Orbital Inclination 2.5 degrees = 1.9 degrees (Mars Orbital Inclination) x  
1.3 degrees (Jupiter Orbital Inclination)

6- Saturn Axial Tilt =26.7 degrees = (5.1)<sup>2</sup> (error 2.5%) where 5.1 degrees = Earth  
Moon orbital inclination

7- 264806.25 days = 10747 x 24.6 days (Mars Rotation Period)

8- 25.2 degrees (Mars Axial Tilt) = 1.9 degrees (Mars orbital inclination) x 13.18  
degrees (Moon daily motion =13.18 degrees)

9- **687 days** (Mars orbital period) = 25.2 x 27.3 days (Moon orbital Period) = 1.9 x  
365.25 days (Earth orbital Period) (it's know that 1.9degrees = Mars orbital  
inclination- 25.2 degrees = Mars axial tilt)

Also we know that

10- Saturn Circumference = Earth Moon distance when the moon be in total solar  
eclipse point.

#### II- Discussion

The Data simply doesn't give a room for any doubt - almost the data is produced depending on each other – just the geometrical mechanism by which this data is produced needs more deep discussion to see it clearly as possible...

**Conclusion**

The previous Data is produced relative to each other – this conclusion supports the main claim that – the solar group is one energy which produces the planet matter and orbital distance from this same energy –the previous data supports this idea strongly....

**Please Note**

Sun diameter = Jupiter diameter  $\times \pi^2$   
Saturn Diameter = Venus diameters  $\times \pi^2$

## 5-2 One Year on Earth = One Day on the Sun (Difference Rates of time)

How to prove that ....?

1 day on The sun = 1 Year on Earth  
How the rates of time can be different?

By relativistic effects – we know that-

We have discussed the relativities effects hypothesis in points no (4-1, 4-3) as a summary for the whole idea

Any way I have supposed that – the solar group produced 3 rates as relativistic effects rate (1.0725 – 7.1 and 71)

Both rates 7.1 and 1.0725 are produced by velocity =0.99c

And

71 is produced by velocity = 0.9999 c

Now

We have discussed that – time and distance values can be equivalent with higher velocity ...

Means 71 mkm can be 71 days and we have seen how Saturn orbital distance 1433.5 mkm is used frequently as 1433.5 days

The question is

How

1 day on the sun = 365.25 days on Earth?

By relativistic effects

71 million km can be contracted to be 1 million km

That means

71 mkm on Earth equal 1 mkm on the sun

But

How 71 mkm (or 71 days) can be 365.25 mkm (or 365.25 days)?

It's the moon orbit inclination effect

$71 \times 5.18 = 365.25$  mkm which = 365.25 days

But such way

365.25 days on Earth = 1 day on the sun

But

That means – the sun rate of time depends on Earth Moon orbit inclination – that may explain why the sun circles the Earth during 365.25 days giving her one face only

Please review

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

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

**5-3 Total solar planets velocities = 1/4 C (where C =light velocity 0.3 mkm/sec)**

Light beams Production (Sun Rays production) depends on the following Equation

$$\frac{1}{4} C \times 4 C = C^2$$

**(Gerges Equation For Sun Rays Production)**

How do we Understand This Equation? Let's summarize the answer in following:

- 1- **(1/4 C)** = a velocity equal a quarter of the light velocity – I claim that – the solar planets velocities total = **(1/4 C)**
- 2- **4C** a light beam with velocity = 1.2 million km /sec – we may remember that – Jupiter sent the energy toward Pluto in light beam form – where this light beam velocity = 1.16 mkm /sec as we have discussed in the previous paper – so this same light beam whose velocity (1.16mkm/sec) will interact with the planets velocities total (1/4) to produce  $C^2$   
But  
How the light velocity (1.16mkm/sec) becomes (1.2 mkm/sec =4C)? this question we should discuss deeply to see the truth.
- 3-  **$C^2$**  the energy from which the sun rays are created

**Equation Main Idea**

The solar planets motions energies total interacts with Jupiter energy to produce  $C^2$  which is the sun rays energy source ...

That's why the sun diameter = Jupiter Diameter x  $\pi^2$

So – The Sun Rays are produced by this Equation – what do we need now?

To prove that this equation expresses a real fact....

Simply.... let's prove the Equation

### (I) Planets Velocities Total

Planet	Daily Velocity
Mercury	4.095 mkm
Venus	3.02 mkm
Earth	2.57 mkm
Earth Moon	2.57 mkm (Earth and Moon daily velocities should be equal otherwise they will be separated from each other)
Mars	2.082 mkm
Jupiter	1.1318 mkm
Saturn	0.838 mkm
Uranus	0.5875 mkm
Neptune	0.4665 mkm
Pluto	0.406 mkm
Total	17.74 mkm

So – Planets daily velocities total = 17.74 mkm

### (II) Different Rate of Time

#### A HYPOTHESIS

## 1 Day On The Sun = 1 Year On Earth

That means

1 day on Earth = 237 seconds on the sun

So

Planets Daily Velocities Total = 17.74 mkm / daily (Earth Day Period)

i.e.

$(17.74 \text{ mkm} / 237 \text{ seconds}) = 1/4 C = 1/4 \text{ Light Velocity}$

i.e.

If

**1 Day on the Sun = 1 Year on Earth**

So

**The Planets daily velocities total = 1/4 Light velocity (relative to the sun)**

Means

The velocity (1/4 C) can't be observed by any observer on any planet – because this velocity is a velocities total, is created only relative to the sun point – where all planets revolve around the sun in the same direction – so this velocities summation can be real.

How can we understand that? Imagine we have a group of 9 gears installed together by some system. By this system any gear rotates a full cycle causes all other gears to rotate with it a full cycle- so when the 1<sup>st</sup> gear rotates a full cycle it causes all 9 gears to rotate also – and when the 2<sup>nd</sup> gear rotates that will cause all other gears to rotate but when 1<sup>st</sup> and 2<sup>nd</sup> gears together rotate a full cycle for each– that will cause all

gears to rotate 2 times- means rotation of 18 gears- this simple example aims to simplify the planets motions effect on the sun point (the center of motions)

The moon circumference supports the idea that

**"1 Day on The sun = 1 Year on Earth"**

### **Equation**

The Moon Circumference 10921 km x 86400 seconds = 940 mkm (Earth Orbital Circumference)

The previous tells us that

If Earth revolves around the sun a complete revolution in one day only – the moon circumference will equal Earth Motion Distance for **1 second**....

So

The Equation tells that – the moon circumference supports the idea (there are 2 rates of time where 1 day on the sun = 1 year on Earth)

### **The Sun Diameter Creation**

Let's return to our equation

$$\frac{1}{4} C \times 4 C = C^2$$

**(Gerges Equation For Sun Rays Production)**

We have discussed the factor 1/4 C

And we should discuss the factor 4 C in following

- We know Jupiter energy is sent as light beam its velocity 1.16 mkm/sec

We need energy with velocity 1.2 mkm/sec (= 4C) to complete the Equation – how to find this value 1.2 mkm/sec?

1.16 million km + 40000 km = 1.2 mkm

Where

1.16 mkm = light with velocity 1.16 mkm/sec travels for 1 second

40000 km = Earth Circumference (earth rotates around her axis)

Total distances =1.2 mkm =4C which we need

How to explain that we need to wait for the following point.

## 6- Solar Group Energy Interactions Before The Sun Creation

### I-Data

#### (Group No.1)

1- **Original Energy 86400 mkm = 17.2 mkm** x 5040 = 17.2 mkm x (71)<sup>2</sup>  
(17.2 degrees = Pluto Orbital inclination and we know that 1 degree = 1 mkm)

2- Original Energy 86400 mkm = 118.66 mkm x 728 mkm  
(118.66 mkm = 118.66 degrees – we know that 28.3 degree (Neptune axial tilt)  
= 28.66 x 0.99 – means 118.66 degrees = 28.66 degrees + 90 degrees)

3- **Total Energy 90000 mkm = 122.5 mkm** x 734.7 mkm  
(122.5 mkm = 122.5 degrees = Pluto axial tilt)

a.  $734.7 \text{ mkm} \times 0.99 = 728 \text{ mkm} = 720.7 \text{ mkm}/0.99$

b.  $720.7 \text{ mkm} = 5040 \times 0.142984 \text{ mkm} = (71)^2 \times 0.142984 \text{ mkm}$

4- Total Energy 90000 mkm = 2872.5 mkm x  $\pi^3$

#### (Group No.2)

-  $232.7 \times \pi = 725 = 278.4 \times 2.6$

-  $41 \times 17.74 = 728$

### II-Discussion

The previous equations needs a separate paper to discuss  
That's why we will discuss only Equations No.1 & 3

#### Equation No.1

86400 mkm = The Energy Reflected From Neptune Toward The Inner Planets – as  
we have discussed in Jupiter Energy (Point No.3)

This energy is contracted by (71)<sup>2</sup> to produce 17.2 mkm which equals 17.2 degrees =  
Pluto orbital inclination

That makes sense because we know that Jupiter sent his energy toward Pluto so if the  
energy is concentrated in Pluto data it's some how logical

That tells the value 17.2 mkm = 17.2 degrees refer to the main sent energy

### Equation No.3

$$\text{Total Energy } 90000 \text{ mkm} = 122.5 \text{ mkm} \times 734.7 \text{ mkm}$$

The value 90000 mkm I claim this value equal =  $C^2$  which we know from the electrodynamics

How that can be possible?

**The solar system geometry performs this task**

Any way

We need the value  $C^2$  to produce the sun light beams

The original energy was 86400 mkm

+

Additional energy = 3600 mkm sent from Jupiter to Uranus

(for details – 3600 seconds x 1.16 mkm/sec = 2 x 2088 mkm)

Uranus sends this energy toward Pluto to produce the total

$$86400 \text{ mkm} + 3600 \text{ mkm} = 90000 \text{ mkm}$$

From which  $C^2$  will be produced

If Jupiter energy = 86400 mkm only how the value 3600 mkm is produced?

By change the rate of time

(Where the sun rate of time is different from Earth which enable the solar system to accumulate the energy- we have discussed that 1 day on The Sun = 1 year on Earth)

### NOTE PLEASE

(1)

Pluto is the main point of energy concentration

So both energy values (86400 mkm and 90000 mkm ) are found relative to Pluto data- this discussion supports easily that the solar group is one trajectory of energy and not separated planets from each other

(2)

The distance 734.7 mkm is the complementary with Pluto axial tilt (122.5) to produce the final required energy 90000 mkm =  $C^2$

What's this distance? 734.7 mkm

$$734.7 \text{ mkm} \times 0.99 = 728 \text{ mkm}$$

$$734.7 \text{ mkm} \times 0.98 = 720.7 \text{ mkm} \text{ (Mercury Jupiter distance)}$$

$$720.7 \text{ mkm} = 5040 \times 142984 \text{ km (Jupiter diameter)}$$

This equation tells us that – the energy (720.7 mkm) will be contracted by the same rate  $(71)^2$  to produce **Jupiter diameter**

That explains why

$$(1) \text{ Jupiter Diameter} = 8 \text{ Planets diameters total}$$

$$(2) \text{ Jupiter diameter} \times \pi^2 = \text{The Sun Diameter}$$

#### **Equation No. 4**

$$\text{Total Energy } 90000 \text{ mkm} = 2872.5 \text{ mkm} \times \pi^3$$

We know the ( $\pi^3$ ) is considered the relationship between Uranus and Jupiter

Where 97.8 degrees (Uranus axial tilt) /3.1 degrees (Jupiter axial tilt) =  $\pi^3$  degrees

The previous equation explains how Uranus orbital distance is created based on the sun creation by effect of Uranus Jupiter relationship on the sun creation process

Where the sun creation depends on relativistic effects, we have expected that Uranus also suffers from similar effects ... as the following data may prove

$$97.8 \text{ degrees} = 97.8 \text{ mkm} = 71 \times 1.392 \text{ mkm (the sun diameter)}$$

(71 is the length contraction rate found based on the velocity 0.9999c- note please the velocity 0.9999c is very effective in the solar group and can be proved easily where earth registered velocity =0.0001c which means 0.0001c +0.9999c = c velocity – refereeing to that – the light effects in the matter creation process)

#### **Please review**

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

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

The Sun Data shows Relativistic Effects (revised)

<http://vixra.org/abs/1806.0209>

Why Jupiter Diameter =142984 km? (Observation vs Data Analysis-II)

<http://vixra.org/abs/1907.0137>

There Are Relativistic Effects In The Solar Group

<http://vixra.org/abs/1903.0565>