

## A Summary Of My Research

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### Research Summary

#### I- Research Main Questions

- 1- How Planet Diameter Is Created? (= How The Matter Is Created?)
- 2- How Planet orbital distance is defined (= What's The Space?)
- 3- Is There A Relationship Between Planet Diameter And Orbital Distance?  
(i.e. Does Space effect on Matter Creation Process?)

#### II- Research Methodology

I use the planets data analysis to discover the concepts on which they are created?  
(I use NASA Planetary Fact Sheet as the only source for Planets Data)

#### III- Research Hypothesis

##### (A) Research Primary Hypothesis (have no proves)

- The Matter is created of Energy ( $E=mc^2$  supports this idea)
- The Space is Energy (my Hypothesis)

##### (B) Research Main Hypothesis (have proves)

- 1- The Solar Group is One Building And Each Planet is A Part Of It
- 2- There Are Relativistic Effects In The Solar Group
- 3- Mars Orbital Distance is Changed Through Solar Group History

This Paper tries to explain and proves the previous claims

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## I- Research Questions Explanation

**How The Matter Is Created? What's the Space?** Is there a relationship between the matter and the space in which the matter moves?

The eclipse phenomenon was the start point for this question....

The 1<sup>st</sup> question was **Why We See The Sun Disc = The Moon Disc?**

Because

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

Why The Diameters Rate = The Distances Rate?

I don't consider the previous equation is found by any pure coincidence – and in fact – I have a confidence that – There's A Geometrical Reason Behind This Equation

On the other hand – no theory tells us how the matter is created – even the big bang theory – tells us that – the matter secret is hidden and can't be discovered

Why Jupiter Diameter = 142984 km or Why Saturn Diameter = 120536 km? Such questions have no geometrical meanings and never be discussed...

For myself – I interest for the geometrical buildings – for example – when I saw a good machine – I ask how this machine is created? What are the machine specifications and why the designer choose them? Such questions are important to see the geometrical ideas behind the built machine –

In The Solar Group – The Analytical Questions Are So Poor – we don't why any planet diameter equal its value- and also we don't know if there's a relationship between the planet diameter and orbital distance – we know that a relationship between Planet mass and orbital distance should be found – which in fact – can't be proved in the solar group- where the solar planets order doesn't follow the gravitation equation – that's why Jupiter isn't in Mercury Position, and also Uranus is nearer to the sun than Neptune (Has Greater Mass)-

Eclipse Previous Equation suggests that – some relationship between the planet diameter and orbital distance must be found –otherwise we can't see the sun disc =the moon disc –

From this situation – I have concluded my problem in clear questions:

- (1) How The Matter Is Created?
- (2) What's The Space?
- (3) Is there a relationship between the matter and space?

And decided to use the solar planets data analysis to answer these questions  
Let's summarize the research methodology in next point.

## II- Research Methodology

I use **Planets Data Analysis** as my research method

What's Planet Data Analysis? Let's summarize it in following:

(1)

- Suppose we have a right triangle its dimensions are 3,4 and 5 meters, can we use these three numbers to conclude Pythagoras rule  $z^2 = x^2 + y^2$  ?
- That's what I'm doing – I analyze the planets data to conclude the geometrical concepts behind this data –
- I use NASA Planetary Fact Sheet (<http://nssdc.gsfc.nasa.gov/planetary/factsheet/>)  
(I use NASA Planetary Fact Sheet As The Only Source Of Planets Data)

(2)

- I depend on **The Data Direction**

### Example

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

If we can't explain the previous equation- can we conclude the main concept in it?

There's **Some Relationship** 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 repeated **three times**

So – The Conclusion Is – There's A Relationship Between These 4 Planets Axial Tilts  
This Conclusion is "A Data Direction"

(3)

How my research method can be evaluated? Is it useful method or not?

In anatomy science – the physician doesn't just look to the patient and conclude his illness – rather – he examine the patient inner structure- that tells us Planet Data is a treasure we can use in place of many imaginary ideas we may conclude form the mere outer observation-

For example- the big bang theory tells us that –the solar planets are created by some random process – from the nebula with gravity effect – but to the planet diameter creation depends on the random as basic and no any planet diameter is created with another planet diameter or relative to it – (this is the big bang concept) – simply it's wrong concept because the eclipse phenomena tell us that the planet diameter is created to be relative to another planet diameter- So the big Bang imaginary idea gives us nothing – so why this theory is created? Because no data analysis is done here – all planets diameters are created to be relative to other planets diameters – this conclusion I got from Data analysis – and this conclusion doesn't only disprove the big bang theory but also provides us with more complex question ... "how Planet diameter can be created in relative to another planet diameter" which we will discuss in the research hypothesis.

### **III- Research Hypotheses**

The research provides 3 hypotheses which are:

- 1- The Solar Group is One Building and Each Planet is A part of it**
- 2- There Are Relativistic Effects In The Solar Group**
- 3- Mars Orbital Distance is Changed Through Solar Group History**

In following

For each hypothesis we will study 2 points:

- (1<sup>st</sup> point) to explain the hypothesis .....and  
(2<sup>nd</sup> Point) to prove the hypothesis...

So The Hypotheses Discussion Content Should Be As Following:

- 1-1 (1<sup>st</sup> ) Hypothesis Explanation
- 1-2 (1<sup>st</sup> ) Hypothesis Proves
- 2-1 (2<sup>nd</sup> ) Hypothesis Explanation
- 2-2 (2<sup>nd</sup> ) Hypothesis Proves
- 3-1 (3<sup>rd</sup> ) Hypothesis Explanation
- 3-2 (3<sup>rd</sup> ) Hypothesis Proves

## 1- Solar Group is One Building and each planet is a part of it (1<sup>st</sup> Hypothesis)

1-1 (1<sup>st</sup>) Hypothesis Explanation

1-2 (1<sup>st</sup>) Hypothesis Proves

### 1-1 (1<sup>st</sup>) Hypothesis Explanation

#### Solar Group 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 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 – Any Planet moves with all other planets together as a train moves will all carriages -

#### Description Basic Concept

**Solar Planets cooperation and integration is the reason of their existence and motion.**

#### 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 show the solar planets dependency.

## 1-2 (1<sup>st</sup>) Hypothesis Proves

### 1<sup>st</sup> Hypothesis Summary

The solar group is one energy travels from point to another creating the planet matter and orbital distances ...

Let's prove this hypothesis in following 3 points:

**1st. The Solar Group Main Energy**

**2nd. Jupiter Energy**

**3rd. The Coherence Event**

### 1st. The Solar Group Main Energy (A Brief Summary)

1. Jupiter sends his energy in light beams form Toward Pluto where the sending energy is continuous for 2 complete solar days (Jupiter light beam velocity =1.16 mkm/sec – hypothesis)
2. Jupiter Light beam reached to Pluto, and built Neptune Orbital Circumference from This Energy (Neptune consumed 16% of the total energy to build its orbital circumference) –

Then

3. Neptune reflected the rest of Energy toward the inner Planets
4. The rest of Energy = 2 x 86400 mkm – and this energy is sent into 2 equal Trajectories of Energy – Each Trajectory contains 86400 mkm
5. 1<sup>st</sup> Trajectory is reflected from Neptune Toward Mercury with energy =86400 mkm
6. 2<sup>nd</sup> Trajectory is reflected from Neptune Toward Earth and Venus with energy =86400 mkm

Then

7. These 2 Energy Trajectories (=light beams) got coherence together in the sun position (before the sun Creation), and this coherence created an angle  $\theta=0.142984$  degree (which we can call the coherence angle  $\theta$ )
8. After this coherence the matter is created
9. Based on the coherence angle, Jupiter diameter is created with Mercury Diameter in Mutual process... later Saturn Diameter is created
10. Also angle  $\theta =0.142984$  defines the distance between Earth and Moon and it effects on Earth, Venus and Moon diameters creation

## 2nd. Jupiter Energy

A-Jupiter sends the Energy toward Pluto

B-The Energy Trajectories

C-The Coherence

### A-Jupiter sends The Energy Toward Pluto

Jupiter energy is a light beam his velocity = 1.16 million km/sec, Jupiter sends this Energy toward Pluto for 2 solar days (2 x 86400 seconds)

Means

$$1.16 \text{ mkm} \times 86400 \text{ seconds} \times 2 = 100581 \times 2 \text{ mkm}$$

### I- Data

- (Pluto Orbital Circumference 36897 mkm – Jupiter Orbital Circumference 4894mkm) x  $2\pi$  = 100581 mkm x 2

### II- Discussion

- Why I use  $2\pi$  in previous Equation? Because
  - o  $2 \times 100581 \text{ mkm} = 28255 \text{ mkm} + 2 \times 86400 \text{ mkm}$

Where

- o 28255 mkm = Neptune Orbital Circumference
  - o 86400 mkm = sent Energy Toward Mercury
  - o 86400 mkm = sent Energy Toward Venus and Earth
- What does the previous Equation tell us?
  - Jupiter sent Energy toward Pluto will build Neptune Orbital Circumference at first (consuming 16%) and the rest Energy will be reflected by Neptune toward the Inner Planets in 2 equal Trajectories of Energy, each Trajectory contains energy =86400 mkm .

### Note Please

## Distance = Energy

This Concept is our Guide to know how the energy travels through the solar group

So

The energy is sent from Jupiter and reflected by Neptune

That means

Jupiter and Neptune Orbital Distances are vital values for the inner planets distances because they are their Energy source – let's see if it's true in following

## More Data

(Group No. 1)

### Neptune Orbital Distance

$$\begin{aligned} & \mathbf{4495.1 \text{ Neptune Orbital Distance} =} \\ & = \mathbf{Earth \text{ Venus distance } 41.4} \quad \times \mathbf{Venus \text{ orbital distance } 108.2} \\ & = \mathbf{Mercury \text{ Orbital Distance } 57.9} \quad \times \mathbf{Earth \text{ Mars distance } 78.3} \\ & = \mathbf{Mercury \text{ venues distance } 50.3} \quad \times \mathbf{Mercury \text{ Earth distance } 91.7} \text{ (error 2.5\%)} \end{aligned}$$

Why the inner planets uses Neptune orbital distance such frequently?

Because Neptune reflected the energy toward them and they live on this energy – shortly– the distance is energy and the inner planets define their distances according to the maximum sent energy and the maximum is Neptune orbital distance

(Group No.2)

### Jupiter Orbital Circumference

360 mkm (Mercury Orbital Circumference) + 680 mkm (Venus Orbital Circumference) + 940 mkm (Earth Orbital Circumference) + 1433.5 mkm (Mars Orbital Circumference) x 2 = 4900 mkm (Jupiter Orbital Circumference) (error 1%)

**(Please Note** –Mars Orbital Circumference is used 2 Times –because Mars is exceptional among the solar planets – in hypothesis no.3 we'll discuss it)

(Group No.3)

### Jupiter Orbital Distance

1. Mercury Jupiter Distance = 2 Mercury orbital circumference (Mercury moves during his say =175.94 days – a distance = Mercury Jupiter Distance)
2. Venus Orbital Circumference = Venus Jupiter Distance (error 1.5%)
3. Earth Orbital Circumference = Earth Jupiter Distance  
(when Earth and Jupiter be at different sides from the sun so 149.6mkm+778.6mkm=928mkm = Earth orbital Circumference (error 1.3%)

## Question

Why Jupiter orbital Circumference = inner planets orbital circumferences total?

The answer is similar to Neptune answer - because Jupiter is the inner planets source of Energy and the inner planets can't use greater energy than what's sent.

**The previous data supports my claim that**

- The Distance Is Energy
- The Energy is sent from one point to answer point through the solar group

Please review

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

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

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

Why Jupiter Diameter =142984 km (2)? (Revised) <http://vixra.org/abs/1907.0321>

Why Jupiter Diameter =142984 Km? (3) <http://vixra.org/abs/1907.0377>



## **B- Energy Trajectories**

- (1) Neptune –Mercury Trajectory (1<sup>st</sup> Trajectory)  
(2) Neptune – Venus and Earth Trajectory (2<sup>nd</sup> Trajectory)

The Energy, reflected from Neptune, is sent in 2 different Trajectories let's see each of them in details

### **(1) Neptune –Mercury Trajectory**

Through this trajectory Neptune reflects an Energy = 86400 million km toward Mercury passing by Saturn and Jupiter, where Jupiter here passed the Energy only toward Mercury...

#### **I- Data**

**86400 million km =**

$$= (\text{Jupiter Orbital Circumference} - \text{Mercury Orbital Circumference}) \times 2\Pi^2$$
$$= (\text{Saturn Orbital Circumference} - \text{Mercury Orbital Circumference}) \times \Pi^2$$

#### **Note Please**

$$\text{Neptune Orbital Circumference} = \text{Saturn Orbital Circumference} \times \Pi$$

#### **II-Discussion**

As we see the idea is clear and we have reason for the relationship between Neptune and Saturn orbital distance ...

Any way the description of passing the Energy from Neptune to Saturn to Jupiter to Mercury is NOT sure description... we need to wait the coherence event discussion before see much better... any way we may confirm on the trajectory from Neptune – Jupiter – Mercury.. this line is almost confirmed...

### **(2) Neptune – Venus and Earth Trajectory**

Through this trajectory Neptune reflected an Energy = 86400 million km toward Venus and Earth directly

#### **I- Available Data**

**86400 million km =**

$$= (\text{Neptune Orbital Circumference} - \text{Earth Orbital Circumference}) \times \Pi$$
$$= (\text{Neptune Orbital Circumference} - \text{Venus Orbital Circumference}) \times \Pi$$

(Both Errors less than 1%)

#### **II-Discussion**

This Energy reflected by Neptune toward Venus and Earth – this energy helped Earth to build her orbital circumference and to move performing here daily motion

In addition to help the moon motion performance

## **C- The Coherence Event**

we have seen that, the Energy reflected from Neptune toward the inner Planets in 2 trajectories

1<sup>st</sup> Trajectory is / Neptune – Jupiter – Mercury

2<sup>nd</sup> Trajectory is / Neptune – Earth and Venus

These are 2 trajectories of Energy

We may call them 2 Light Beams where they are reflected by Neptune as any reflected light beam

These 2 light beams are met each other and get coherence inside the sun location before the sun creation (and before any matter creation)

i.e.

The Coherence Point is inside the sun

The coherence is done by these 2 light beams producing an angle  $\theta=0.142984$  degree  
And this interaction and coherence is found inside the sun (position) before the sun creation...

We should pay more attention for this point, because after this coherence the matter will be created and we will have plenty of proves for any claim we may tell

Before to start...

### **Note Please**

- We know in young experiment (double slit experiment) the light coherence produces bright fringes and dark fringes –
- I suppose – we see the bright fringes as matters
- Dark fringes we see as distances
- (Imagine a dark fringe breadth is so wide and the people can live inside a dark fringes – so the space relative to these people– in fact - is a dark fringe)
- 
- That explains how– The Space Can Be Energy –
- And we can claim that all darkness and space around us are just dark fringes produced by light coherence..

### 3rd. The Coherence Event

- 1- Introduction
- 2- Angle  $\theta$  effects the planets orbital and internal distances
- 3- Angle  $\theta$  defines Jupiter and Mercury diameters
- 4- Angle  $\theta$  defines total solar eclipse angle

#### 1- Introduction

Let's summarize the whole idea here again

- Jupiter sends his energy toward Pluto
- Neptune Orbital circumference is built at first from the sent energy
- Neptune reflects the rest energy toward inner planets, into 2 separated trajectories
  - o **1<sup>st</sup> Trajectory:** Energy = 86400 mkm from Neptune to Jupiter to Mercury
  - o **2<sup>nd</sup> Trajectory:** Energy = 86400 mkm from Neptune to Venus and Earth
- **These 2 Trajectories of Energy (2 light beams) will meet each other and create a coherence between them**
- The Coherence event is done in the sun position before the sun Creation
- **The Coherence event creates an angle  $\theta = 0.142984$  degrees (between 2 light beams)**

what we have from this story? angle  $\theta=0.142984$  degrees

#### *is this angle really found?*

If I can prove that, this angle is really found, can that support my theory?

If this "angle  $\theta=0.142984$  degrees" is one of the most important points in the solar group, can that support my claim?

My ideas depends on the solar planets data! means, I found this rate frequently, that's why I suggest the theory to explain this data,

The theory tries to answer the question, why the rate  $=0.142984$  is repeated frequently in different geometrical points? So the theory is a try to answer otherwise another answer should be provided...

Let's see this angle  $\theta$  and its effect in next discussions

## 2-Angle $\theta$ effects The Planets Orbital And Internal Distances

### I- Data

Solar group orbital and internal distances total = 45 distances

The rate 0.142984 is used as a rate between around 22 distances, means this rate expresses around 50% of the solar distances rates...let's see that in following

Table No.2	Max Error 2%	
Distances Rate	$\theta = 0.142984$	Error
(Earth Orbital Diameter /Jupiter Uranus Distance) =	$= \theta$	No Error
(Earth Mars Diameter /Jupiter Mars Distance) =	$= \theta$	No Error
(Earth Saturn Distance /Saturn Orbital Circumference)=	$= \theta$	No Error
(Earth Jupiter Distance /Venus Neptune Distance) =	$= \theta$	No Error
(Earth Mercury Distance /Earth Jupiter Distance ) =	$= \theta$	1.8%
(Mercury Jupiter Distance /Jupiter Pluto Distance) =	$= \theta$	1%
(Mercury Mars Distance /Mars Saturn Distance) =	$= \theta$	1.5%
(Mars Orbital Distance /Uranus Neptune Distance) =	$= \theta$	1.7%
(Mars Jupiter Distance /Neptune Orbital Distance) =	$= \theta$	2%

### Note Please

Previous table uses Max Error 2% only

means, there are more relationships defined by this same rate 0.142984 but with higher error and I refused to save the data direction

let's see 2 examples of such relationships in following

(Mars Uranus Distance / Uranus Orbital Circumference) =	$= \theta$	2.5%
(Venus orbital Distance / Jupiter orbital Distance) =	$= \theta$	3%

### II- Discussion

The rate 0.142984 is used for around 50% of the whole distances,

Why?

I don't know by what mechanism this angle effects on these distances, still we need more search to know that,

But

To use the same rate for half of all solar distances can't be "Pure Coincidences" at any case!

Surely there's a geometrical reason behind this rate frequent using...

And I provided one geometrical reason as following:

**Because matter is a bright fringe and distance is dark fringe both are produced by light coherence, and Angle  $\theta = 0.142984$  degree is the coherence angle, for that reason theses relationships are found ..**

Is the previous table a proof that the angle  $\theta = 0.142984$  is found?

Let's see more data

### 3-Angle $\theta$ defines Jupiter And Mercury Diameters

"Jupiter Diameter is Created based on angle  $\theta = 0.142984$  degrees" (my Claim)

#### First/ Jupiter Diameter Creation

##### I-Data

$$1- \theta = 0.142984 = \frac{1}{7} = \frac{1}{\text{Mercury Orbital Inclination}}$$

$$2- \theta = 0.142984 \times 1 \text{ million km/1 degree} = 142984 \text{ km (Jupiter Diameter)}$$

##### Note Please

Why we use 1 million km/1 degree?

If we have a rate 1 degree = 1 million km, that means  $\theta = 0.142984$  degree will = 142984 km which is Jupiter Diameter.

Where can we find such rate 1 degree = 1 million km? It's Mercury Orbital Circumference

- Mercury Orbital Circumference = 360 million = 360 degrees ....means 1 million km = 1 degree
- Mercury Orbital Circumference is the first Cycle around  $\theta$  (because  $\theta$  locates inside the sun)

#### Mercury Diameter Creation

##### I-Data

**Mercury Diameter 4897km x 1 million km = Jupiter Orbital Circumference**

Let's here summarize the puzzled points to be shown clearly

-  $\theta = 0.142984$  degree is related to Mercury because it equals (1/ Mercury orbital inclination)

-  $\theta = 0.142984$  defines Jupiter diameter if we use mercury rate 1 million km/0.989 degree

i.e.

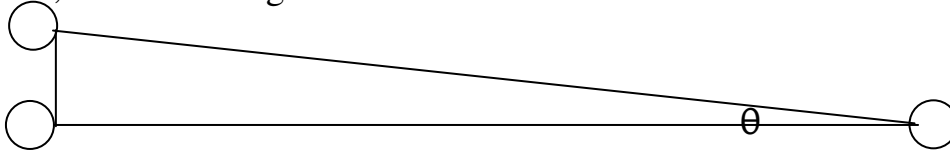
$$\text{- Jupiter Diameter} = \frac{1 \text{ Million Km}}{\text{Mercury Orbital Inclination}} \quad (\text{Eq 1})$$

$$\text{- Mercury Diameter} = \frac{\text{Jupiter Orbital Circumference}}{1 \text{ Million km}} \quad (\text{Eq 2})$$

#### 4- Angle $\theta$ defines Total Solar Eclipse Angle

##### I-Data

Let's ask, what's the angle  $\theta=0.142984$ ?



In the figure

- The two near bodies are the Earth and Moon
- And the far body is the sun
- Angle  $\theta = 0.142984$  degrees

Angle  $\theta = 0.142984$  degree is found basically through Sun, Earth and Moon distances and diameters ...i.e.

$$\sin \theta = \frac{\text{Earth Moon Distance}}{\text{Earth Orbital Distance}}$$

This angle is the same angle which is produced by the 2 light beams coherence  
The same angle has the same value and is found in the same position (inside the sun)

This angle is a main factor in the eclipse phenomenon

Let's see that in following

$$\sin \theta \times \frac{\text{Earth Daimeter}}{\text{Moon Daimeter}} = 0.532 \text{ degrees "Total Solar Eclipse Angle } \phi \text{"}$$

I wish we remember

$$\frac{\text{Earth Daimeter}}{\text{Moon Daimeter}} = \frac{\text{Moon Daimeter}}{\pi D} = \frac{\text{Sun Diameter}}{\text{Earth Moon Distance}} = \frac{\text{Jupiter Circumference}}{\text{Saturn Daimeter}} = \frac{\theta}{\phi} = 3.66$$

**D: is the covered distance on Earth by the total solar umbra shadow =304 km**

##### II-Discussion

We had strong discussion concerned the eclipse phenomena, let's remember our basic question why do we see the Sun Disc = The moon Disc...? Because

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

What we have learnt from that? Why the diameters rate = the distances rate?

This was the hard question.. so let's answer now

Because the diameter is bright fringe and the distance is a dark fringe both of them are produced from light coherence, from the same process both are produced based on the same angle  $\theta = 0.142984$  degree

## 2- There Are Relativistic Effects In The Solar Group (2nd Hypothesis)

2-1 (2<sup>nd</sup>) Hypothesis Explanation

2-2 (2<sup>nd</sup>) Hypothesis Proves

### 2-1 (2<sup>nd</sup>) Hypothesis Explanation

How this idea is created?

- I have found that – the rate 1.0725 is used frequently between different Planets orbital and internal distances and between many other data (as we have seen in the research methodology)
- Also the rate 7.1 is used frequently
- From length contraction phenomena – we know that- if particle travels with velocity  $v_1 = 0.99c$  (where  $c$  is light velocity) – so the length contraction rate will be  $=7.1$  (1)

$$1 + \frac{7.1}{100} = 1.071 \quad (2)$$

(1.071 is very near to 1.0725)

From 1 and 2 I have concluded that both rates may be one rate  $=7.1$  but in Result No. 2 this rate (7.1) is used in some complex system- means it's not used directly but through some complex geometrical processes – so both are one rate only

I have concluded that this rate 7.1 is found by Lorentz length contraction effect as a result of velocity  $v_1 = 0.99c$  which is found in the solar group but we can't observe it

Also

If  $v_1 = 0.99c$  and this value passed through Lorentz equations for any reason

It will be

$(0.99c)^2 = 0.9999c$  – I understand the equation result isn't completely correct because of  $C^2$  but – this conclusion will produce the velocity  $0.9999c$

Now imagine  $v_2 = 0.9999c$  also is found in the solar group

Length contraction rate will be 71 (3)

And more important

Earth velocity  $=0.0001c$  ..... that means

$0.9999c + 0.0001c = \text{light velocity}$  (4)

The result no. 4 has components are known for us – simply we have these data in the solar group except the velocity  $v_2 = 0.9999c$  which we can conclude ....

### Conclusion

The Solar Group has higher velocity  $=0.99c$  spite we can't observe this velocity – we can observe its length contraction effect on the planets distances (any many other data) – and based on these contraction cases we can conclude that the velocity is found really.

## 2-2 (2<sup>nd</sup>) Hypothesis Proves

Let's proof this Hypothesis...

### I-Data

#### - 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 – Axial Tilts Data (Periods)

- 1st-  $\frac{25.2 \text{ degrees (Mars Axial Tilt)}}{23.45 \text{ degrees (Earth Axial Tilt)}} = 1.0725$  (No Error)
- 2nd-  $\frac{26.7 \text{ degrees (Saturn Axial Tilt)}}{25.2 \text{ degrees (Mars Axial Tilt)}} = 1.0725$  (Error 1.2%)
- 3rd-  $\frac{28.3 \text{ degrees (Neptune Axial Tilt)}}{26.7 \text{ degrees (Saturn Axial Tilt)}} = 1.0725$  (Error 1.2%)
- 4th-  $\frac{1.9 \text{ degrees (Mars Orbital inclination)}}{1.8 \text{ degrees (Neptune Orbital Inclination)}} = 1.0725$  (Error 0.7%)



### III – Data (Periods)

$$5\text{th-} \frac{29.53 \text{ days (Lunar Synodic Month)}}{27.3 \text{ days (Lunar Sidereal Month)}} = 1.0725 \quad (\text{Error } 0.8\%)$$

$$6\text{th-} \frac{243 \text{ days (Venus Rotation Period)}}{224.7 \text{ days (Venus Orbital Period)}} = 1.0725 \quad (\text{Error } 0.8\%)$$

$$7\text{th-} \frac{17.2 \text{ hours (Uranus Day)}}{16.1 \text{ hours (Neptune Day)}} = 1.0725 \quad (\text{No Error})$$

$$8\text{th-} \frac{10.7 \text{ hours (Saturn Day)}}{9.9 \text{ hours (Jupiter Day)}} = 1.0725 \quad (\text{No Error})$$

### I-Discussion

Simply we try to find explanation why all these data are rated with 1.0725?

Let's discuss the planets axial tilts only as example

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

How do we understand this equation?

From Jupiter Energy Discussion - We know that – Neptune reflected the energy toward the inner planets..

That means Neptune is the inner planets source of energy

That makes Neptune axial tilt the master value in the previous equation

(remember please 1 degree = 1 mkm..... Why? Because (1) Mercury orbital circumference =360 mkm =360 degrees and (2) the solar group is one machine – so any planet can use Mercury rate)

Let's start

28.3 degrees (Neptune Axial Tilt) will be contracted with the rate 1.0725 to produce 26.7 degrees (Saturn Axial Tilt)

(That may explain why Neptune orbital distance = Saturn orbital distance x  $\pi$ )

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)

Also Mars axial tilt 25.2 deg will be contracted (1.0725) to produce 23.4 deg (Earth axial tilt) (That May Explain Why Earth Orbital Distance = Earth Mars Distance X Mars Orbital Inclination)

For full discussion please review

There Are Relativistic Effects In The Solar Group <http://vixra.org/abs/1903.0565>

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

### 3- Mars Orbital Distance is Changed Through Solar Group History (3<sup>rd</sup> Hypothesis)

#### 3-1 (3<sup>rd</sup>) Hypothesis Explanation

How can we know that – if Mars orbital distance is changed through history?

Because The Solar Group Is One Building – so any change can be seen in this building data and will be seen in other planets data

That means – if we can prove that Mars orbital distance is changed through history by planets data analysis that will produce also 2 important results

1. It supports the claim that the solar group is one building and each planet is a part of it
2. it supports also the claim that "Planet Data analysis is the correct method to study the solar group geometry"

Let's try to do that in following:

(1)

- The inner planets order (Mercury – Venus – Earth) shows that there's some the relationship between planet diameter (or mass) with their orbital distance, means **Greater Diameter (Or Mass) needs Greater Orbital Distance** ...

(2)

- The outer planets order (Jupiter- Saturn- Uranus- Neptune – Pluto) tells that the rule is reversed where **Greater Diameter needs Shorter orbital Distance** .... But.... The order depends **on diameter and NOT Mass** because Uranus Diameter is greater that Neptune where Neptune Mass is greater than Uranus..

(3)

- **(The Conclusion)** there's some relationship between the planet diameter and orbital distance but this relationship is reversed after **Mars** for some reason- (Also The Data Direction doesn't support the relationship between the planet mass and orbital distance which disproves the sun gravity concept)

When I asked this question... the answer was because of the "**Initial Points**"

But I couldn't accept this answer...because

- The inner planets and outer planets orders provide 2 different forms **For The Same Rule** ..... So the nearest conclusion is that there's a relationship between the planet diameter and orbital distance where Mars position in the solar group order causes disturbance for this relationship.

#### **Conclusion**

### **Mars Is Not Suitable For Its Position In The Solar Group Order**

### 3-1 (3<sup>rd</sup>) Hypothesis Proves

#### Main Idea

- Mars Orbital Distance was 84 mkm found after Mercury directly

Also

- Pluto was before Mercury – means Pluto was nearer than Mercury to the sun (or better conclusion – Pluto was the Mercury Moon)
- Mercury Day was 176 solar days

Then

- Mars Immigrated from his original point (84 mkm) to dwell in its new point with orbital distance = 227.9 mkm
- Mars Immigration caused Pluto to immigrate also
- Mercury Day decreased by Value 5040 seconds as a result of Pluto Immigration

The proves are long story – so  
Please review

Mars Orbital Distance Is Changed Through History

<http://vixra.org/abs/1905.0510>

Pluto was "The Mercury Moon"

<http://vixra.org/abs/1807.0331>

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