

**Mars Immigration proves  
Mercury Velocity  
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**Abstract**

I claim that Mars immigrated from his original Point at orbital distance =84 mkm to dwell in his point at orbital distance 227.9 mkm..

And this immigration causes the following results:

- 1- A disturbance for the planet diameter and orbital distance relationship (which is proven clearly from the solar planets order)
- 2- Pluto Immigration, because Pluto had to move to the Solar group End where he before belonged to the inner planets.

This study tries to prove these facts

Also I provide in this Study my suggested description for the solar group.

## **Introduction**

The solar planets order tells us clearly that there's a relationship between the planet diameter and his orbital distance... this conclusion we get easily from the following planets order:

**Mercury – Venus – Earth..**

The previous planets order tells us a clear rule **"Planet Greater Diameter has A Greater Orbital Distance"**

Something was happened with Mars

After Mars this rule is reversed as we see in the following planets:

Jupiter – Saturn - Uranus – Neptune – Pluto

The rule became **"Planet Greater Diameter has A Shorter Orbital Distance"**

(Please Note/ Uranus greater in diameter and less in Mass from Neptune that tells us the planets order depends on their diameters and NOT on their Masses)

**What happened with Mars?**

Mars immigration from his original point in 84 mkm to his new point in 227.9 mkm

Let's return Mars to his original point at orbital distance = 84 mkm

What the solar planets order will be:

**Mercury – Mars - Venus – Earth..**

This follows completely the rule **"Planet Greater Diameter has A Greater Orbital Distance"**

Based on this description there are 2 planets at least immigrated from their original points:

- 1- Mars immigrated from his original point in 84 mkm to his new point in 227.9 mkm
- 2- Pluto who belonged before to the solar inner planets (my hypothesis) and had to move to the End of the solar group because the rule became reversed... \

This paper tries to prove these facts

To do that we have to prove the following:

- 1- Mars moved from his original point (Mars is exceptional Planet)
- 2- Pluto belonged before to the solar inner planets..

This paper contains 2 points

3- Mars Original orbital distance was 84 mkm

4- An Alternative Solar Group Description

### 3- Mars Original Orbital Distance was 84 mkm

3-1 Planets Order Details

3-2 Mars is exceptional Planet

3-3 Pluto belonged before to the inner planets

3-4 The relationship between Venus, Saturn and Pluto Diameters

#### 3-1 Planets Order Details

The planets order is explained clearly in the introduction

Let's put Mars in his supposed point 84 mkm

- Mars (84mkm) – Mercury (57.9mkm) = 26.1 mkm

- Venus (108.2mkm) - Mars (84mkm) = 26.1 mkm

This is normal because the point 84mkm is found in the middle between Mercury and Venus

But if we add this value 26.1 mkm to Venus orbital distance 108.2 mkm

$108.2 + 26.1 = 135$  mkm

The point 135 mkm is a point in space between Venus and Earth but I can't explain it here

Please review my old paper

Time And Distance Definitions In The Solar System

<http://vixra.org/abs/1509.0241>

in which I explained that this value 135 mkm is a real value which is proved by many ways.

That tells us that, the value 26.1 mkm was the solar group building unit

#### 3-2 Mars is exceptional Planet

**(Mars moves 144 mkm to his new orbital distance (for 2 reasons))**

##### I-Data

1-  $25920$  mkm =  $144 \times 180$

2-  $4495$  mkm (Neptune Orbital distance) =  $144$  mkm  $\times \Pi^3$

3-  $144 = 180 \times 0.8$  (Uranus Orbital inclination)

4-  $144$ mkm  $\times \Pi = 2 \times 227.9$  mkm (Mars new Orbital distance)

5-  $144 \times 2.5$  Saturn orbital inclination = 360 degrees

6-  $144$  million km =  $0.406$  mkm/ day  $\times 354.36$  days (synodic year)

7-  $144$  degree =  $5.1$  moon orbital inclination  $\times 28.3$  Neptune axial Tilt

**8-  $144$  million km =  $28.3 \times 3.66 \times 1.392$  mkm (the sun diameter)**

9- Mars diameter  $\times 1092 = 81$ mkm

## **II-Discussion**

### **Equation No. 1**

- Equation No. 1 tells that the distance 144 mkm is in the solar group basic geometrical structure where 25920mkm is the most important distance, I referred to it many times before (distance passed by light during a solar day  $86400 \text{ second} \times 0.3 \text{ mkm} = 25920 \text{ mkm}$ )
- Also the equation tells us this relationship depends on 180 degrees which is found by cooperation between Saturn and Venus (will be discussed later)

### **Equation No. 2**

- Equation No. 2 tells us that, Neptune Orbital Distance which is the source of Energy for the inner planets as we have discussed before (Solar Group Geometrical Structure <http://vixra.org/abs/1805.0081>) defines the distance 144mkm based on the factor  $\Pi^3$  which expresses Uranus-Jupiter relationship.

### **Equation No.3**

- The Equation tells us that 144 mkm is found based on Uranus and the value 180 degrees

### **Equation No. 4**

- This is a direct relationship between 2 distances the old and new

### **Equation No. 5**

- the equation tells about specific relationship between Mars and Saturn.. and that's known where Mars orbital Circumference = Saturn orbital distance... I still don't know way but the relationship is strong and clear ..

### **Equation No.6**

- the equation tells us that during a synodic year (354.36 days) Pluto moves a distance = 144 mkm... that means there's some relationship between Pluto and Mars displacement..
- More interesting that  $(1/\text{pluto velocity}) = \text{the moon velocity!}$  This data add more features for the solar geometrical structure which we need more research to understand
- Note please  $(1/\text{Neptune velocity}) = \text{Mars velocity (error 3\%)}$ ... this feature has important effect on the solar system geometry but we need more search to understand

### **Equation No.7**

- The equation tells us Mars moves 144 million km to cause Moon orbital inclination to be 5.1 degrees.
- Specially because the other player in the equation is 28.3 Neptune axial tilt which is the source of Energy for the solar inner planets.

### **Equation No.9 (important equation)**

Mars Diameter  $\times 109^2 = 81 \text{ mkm}$

- 81 mkm is very near to Mars supposed original point 84 mkm, but very far from his current point 227.9 mkm

### **3-2-1 Relativistic Effects on Mars distances**

#### **I-Data**

- 1-  $144 \text{ mkm} \times 71 = 10224 \text{ mkm} = 2\pi \times 1622 \text{ mkm}$  (**Uranus Neptune Distance**)
- 2-  $84 \text{ mkm} \times 71 = 2 \times 2997$  (**Uranus Pluto Distance**)

#### **II-Discussion**

##### **Equation No.1**

The equation tells us that the distance 10224 mkm is contracted by velocity 0.9999c (by which the sun is created) and the contracted distance is the 144 mkm (moves by Mars from his original point 84 mkm to the new one 227.9 mkm)

##### **Equation No.2**

This equation tells a similar meaning with distance 84 mkm

i.e.

(Uranus Pluto distance  $\times 2$ ) is contracted by the rate 71 and produced the distance 84mkm

Where the distance 84mkm was Mars original orbital distance

That means the sun creation process took into consideration all these points before the sun creation...

Means

The sun creation requirements include to make the distance 84mkm is contracted for the Uranus Pluto distance....

### **3-3 Pluto belonged before to the inner planets**

#### **I- Data**

- 1- Pluto orbital inclination = 17.2 degrees (solar inner planets orbital inclination total =17.4 degrees) the rate  $17.2/17.4 = 0.99$  (which we know perfectly)
- 2-  $(1/\text{Pluto velocity}) =$  the Moon orbit circumference (moon motion per 27.3 days)
- 3-  $5642 \text{ Mars Pluto distance} = 227.9 \text{ Mars current orbital distance} \times 24.7 \text{ Mars day}$

#### **II- Discussion**

The previous data supports the claim that Pluto belonged before to the solar inner planets and had to move to his current point at the end of the solar group

### **3-4 The relationship between Venus, Saturn and Pluto Diameters**

#### **I –Data**

1-  $(\text{Venus diameter} / \text{Pluto diameter}) = (\text{Venus orbital inclination} / \text{Pluto orbital inclination}) = 5.1$

**2- Venus diameter  $\times 109^2 = 144 \text{ mkm} =$**

**3- Pluto diameter  $\times$  Saturn radius = 144 mkm**

4- But we know that Saturn diameter = Venus diameter  $\times \pi^2$

#### **II- Discussion**

The previous data shows strong relationship between Venus, Saturn and Pluto, where the relationship between Venus and Pluto shows that Pluto belonged before to the inner planets.

Let's review some ideas here

### Venus effect on the solar planets diameters

<b>Table No.</b> Venus Diameter * Planet Diameter= Planet Orbital Distance		<b>Error</b>
Venus Diameter x Mercury diameter	= Mercury orbital distance	1.9%
Venus Diameter x moon diameter	=Venus / Earth distance	1.4%
Venus Diameter x Earth diameter	= Earth orbital distance	3.1%
Venus Diameter x Mars diameter	=Mars Earth distance	4.7%
Venus Diameter x Saturn diameter	=Saturn orbital distance	1.7%
Mercury diameter x Jupiter diameter	=Mercury / Jupiter distance	-
(Uranus diameter) <sup>2</sup>	=Mars / Uranus distance	1.1%
Saturn radius x Neptune diameter	= Saturn Neptune distance	1.7%
Venus Circumference x Neptune Circumference	= Pluto orbital distance	1.7%
Venus Circumference x $\Pi$	= Saturn diameter	
"-" means the error less than 1%  Most Planets Follow The Same Rule ...please Note, Pluto once again has exceptional situation... that tells the reason is the same where many exceptional situations are done for the same planet..		

#### - Discussion

The previous data tells us that the planets orbital distances are defined based on the planet diameter with Venus diameter... how can we understand that?

Mars immigration caused many changes in planets orbital distances not only with Mars but with Pluto also at least...

Now let's suppose that the planet diameter and orbital distance relationship is one of the important relationships for the planet motion

So this disturbance in the relationship needs to repair to enable the planet to move... ! How to solve this problem?

Venus diameter is created with Mars immigration and works as a central gear to perform the solar group balance ....So the rate  $109^2$  in fact is born from Venus diameter

Actually  $144 \text{ mkm} = (109.5)^4$

Let's summarize the conclusion in following:

- 1- Venus is the central gear for the solar group
- 2- Mars Immigration effects on all solar planets

The last point has specific importance which tells us that Mars effects on all solar planets and this information we know from very long time let's provide one proof for that in following (please review **Solar Planet Diameter Creation Rule**)

<http://vixra.org/abs/1807.0190>

## 4- An Alternative Solar Group Description

In this point I discuss why the Solar Group Current Description is insufficient! and provide my alternative one

Let's perform this task in next 2 points.

1<sup>st</sup> / Why The Current Description is Insufficient?

2<sup>nd</sup> / The Alternative Description

### *1<sup>st</sup> / Why The Current Description is Insufficient?*

The current theories tell us that, the solar planet moves by gravity forces between his and the sun masses, where the planet defines his orbital distance according to this gravity forces... So the solar group current description shows the solar planets as separated points meet each other only through the sun.

Also the main effective relationship is the sun-planet relationship where the planet-planet relationship is very weak because of the sun massive Mass..

The solar planets, according to the current description, are created from a star was following the sun, later exploded and from his material the solar planets are created by gravity (means the solar planets matters are created by random and there is no any relationship between the planets diameters)

### **The Current Description Problems**

- 1- No one knows How the matter is created? the star story gives us nothing about the matter, simply we don't know how the matter is created? or why the mass produces the gravity?
- 2- The gravity which is the main force in this description still puzzle till now! No one knows the gravity mechanism or if it needs time to work!
- 3- **The main problem** in this description is **the Planet Data Inconsistency**, where the description tells us that Mercury Orbital Distance = 57.9 mkm because of the gravity between his and the sun masses. But the description tells us no explanation why Mercury Diameter = 4879 km or why his orbital inclination = 7 degrees...we can see easily that the description **uses some of the planet data** and ignores simply the other data and by such way the solar planet data become inconsistent...
- 4- This problem produces worse result. Where there's no explanation for the planet ignored data, each relationship is found with this data will be just pure coincidence!

The main question still needs answer... ***How the matter is created?***

Again let's provide our old puzzle one more time here ...

**Why we see the sun disc = the moon disc? Because (the Sun diameter /the moon diameter) = (Earth Orbital Distance/ Earth Moon Distance)? Why The Diameters Rate =The Distances Rate?** no answer for this question because no one knows How the matter is created?

The matter creation was and will be our main difficulty to see the truth. The matter is the player in every point around us, she does the motion and tells us there's a physical law behind.. the Matter is The Knowledge Messenger...

## 2<sup>nd</sup> / The Alternative Description

My suggested Description provides the answer for the main question "How the Matter is created ...let's write that at immediately here..."

What's the Matter (Mass)?	The Mass is an Energy	( $E=mc^2$ )
What's the distance?	The Distance is an Energy	(hypothesis)

i.e.

From The Same Energy The Matters (Masses) And Distances Are Created

### *The Description Summary*

One unified Energy is transported from one point to another point through the solar group, this same energy creates the planets matters (masses) and causes the motion transportation from planet to another through the group. In this transportation of Energy the relativistic effects are found because the energy has different velocities in her motions through the group

Based on these relativistic effects, different rates of times are created and based on these different rates of time the solar group can accumulate the energy in different points to create a huge energy from the low one.

Let's summarize the description main points in following:

- 1- General Description
- 2- Main Relationship
- 3- Motion Transportation
- 4- Relativistic And Non-Relativistic motions
- 5- Distance And Time Values Equivalence
- 6- How the Distance And Time Values can be equivalent?
- 7- Energy Accumulation Concept (Why time and distance values are equivalent)

Let's provide a brief statement about each point in following:

### **1- General Description**

- One Unified Energy travels from one point to another point through the solar group, in her travel this unified Energy creates the planet matter and the distance from planet to another planet.
- for Example, the Energy comes from the sun toward Mercury, so she builds firstly Mercury orbital distance and then will build Mercury Planet Mass. Then this same Energy will move toward Venus to build the distance between Mercury and Venus and then will build Venus Planet Mass....etc (Note/ this example is for explanation only, because the Energy real trajectory is more complex)
- This description makes the planet-planet relationship is strong as much as the sun-planet relationship.
- Let's summarize the idea in a sentence "**One Unified Energy builds the Distance and Mass of all solar planets**"
- This description makes the solar group similar to one line of Energy (a necklace)
- Also this description makes the solar group similar to a great river has many canals, each canal creates a soil on her banks. The river water here is similar to the Energy, she creates everything and have different forms, so the canals and their soils are

created from the river water ... that's the same description the matter and distance are created from the same energy even if the matter is not similar to the distance but both of them are created from the same source...

## 2- Main Relationship

- The problem becomes clear now, because the Energy is transported in different forms as mass, distance or time values.. how can we see the main geometrical pillars of the solar group where there thousands of relationships are found? What relationship is the main one?
- The main relationship is the relationship which connects many planets. For Example Mars Axial Tilt 25.2 degrees works as the constant in Kepler 3<sup>rd</sup> law (table No.1 is found at End of this introduction).. from this table we see that the constant 25 = Mars Axial Tilt, this tells us that, this Value 25 effects on all solar planets.. even if we don't know why or how but this value (25.2 Mars Axial Tilt) is one of the main solar geometrical structure Values.
- **The Description Main advantage** is the integration and cooperation between the solar planets... which makes the solar group as one machine, that means the value 25.2 will be Mars axial tilt in any place we find it. In more clear The sun Diameter = Venus Diameter x 115.2 (this value 115.2 is Mars Axial Tilt uses its vertical value i.e.  $115.2 = 25.2 + 90$ ) ...means the sun diameter is defined based on Venus diameter with help from Mars Axial tilt.

## 3- Motion Transportation

- Similar to the transported motion from one gear to another, the motion is transported from one planet to another and through the motion transportation the energy is transported also from point to another through the solar group...
- We should pay attention to the motion transportation sequence ..... Because it's not necessary to transport the motion by the current solar planets sequence .... There are 2 reasons for that
- **1<sup>st</sup> Reason** – The planets positions from the sun may change through the history – as I suggested before that Mars immigrated from his original point at 84 mkm to the sun to dwell in his new point in 227.9 mkm to the sun.... this change of Mars orbital distance– if real- causes a disturbance for Motion transportation sequence... the Sun Please review: Data shows Relativistic Effects (revised) <http://vixra.org/abs/1806.0209>
- **2<sup>nd</sup> - Reason** – the planets positions relative to each other... where I claimed that some planets suffer from Relativistic effects but other don't... that may cause more disturbance for the motion transportation sequence....
- Can we discover the motion transportation real sequence? Yes ... because the Energy is transported from point to another through the solar group and we can follow this Energy trajectory to see clearly the motion transportation sequence.

#### **4- Relativistic and Non-Relativistic Motions**

##### **The Description Main Hypothesis**

- "There's a physical point in the solar group moves with light velocity relative to another physical point in the solar group"
- This high velocity motion causes relativistic effects on the planets orbital distances and periods
- Because the solar group is one machine or one integrated system, these relativistic effects can be observed in different points in the solar group...
- We can't observe this high velocity motion but we can observe and record the relativistic effects
- So my work is to rewrite the solar planets data in a form shows the relativistic effects, where the planets data consistency will be a crucial proof for my claim.
- If we can perform this task and **prove that there are relativistic effects** in the solar group, that will make the solar group another source to study the Special Theory of relativity by which we can test and develop the theory basics and concepts.
- The proves and discussion of this claim are written in Point No.5 of this Paper

#### **5- Distance And Time Values Equivalence**

The Special Theory of Relativity tells us that

If a particle (energy) moves with  $c$  velocity the following relativistic effects may be observed:

- 1st- Time Dilation
- 2nd- Length Contraction
- 3rd- Mass Increasing
- 4th- **Time And Distance Values become equivalent...**

Point No. 4<sup>th</sup> is my conclusion I got by the solar planets data analysis, and this is my suggested contribution in the Special Theory of Relativity

Let's Provide an example to explain how I reach to this conclusion...

- 25920 years is the Cycle of Precession.

But

- Light moves during the solar day 86400 seconds a distance = 25920 million km

Also

- Solar Planets velocities total 17.6 mkm/ daily x 1461 days (Earth 4-years Cycle\_ = 25920 mkm

As we see in the previous relationships... the value 25920 are seen 2 times one in time units and the other in distance units.... The same value are seen in different units...

Because this situation is repeated hundreds of times I found it's necessary to find a logical explanation for that..

So I suggested that, the Distance and Time Values become equivalent with high velocity as relativistic effect ... I concluded that basically because not all distance and time values can be equivalent but only a great part of them which can't be pure coincidences ... so I searched for specific reason behind and suggested this one..

- Let's see another example for more explanation
  - o Jupiter Orbital Period 4331 days = Mars Orbital Period 687 days  $\times 2\pi$  ... this equation tells us that these orbital periods are energy transported from one point to another, as the motion transportation from one gear to another.... The time values here are equivalent to distance values, (as the factor  $2\pi$  tells us) but these values become time values because of the relativistic effects in the solar group...now we can see that, this equation has a physical reason behind and not pure coincidence...

(Review Table No.2 for equivalent time and distance values at end of this introduction)

I want to explain that, the time and distance values equivalence is one of the main Pillars in the solar system geometrical structure, so this isn't limited case in the solar group rather an extending case ...

- Let's see one more example for more explanation

$$2 \times 86400 \text{ mkm} = 60 \times 2872.5 \text{ mkm} \text{ (Uranus Orbital Distance)}$$

The previous Equation has very specific importance in the solar group

Let's remember its components

- **The value  $2 \times 86400 \text{ mkm}$**  is the solar group main energy, this value we have discussed in details with Jupiter Energy in my previous paper "Solar Group Geometrical Structure" <http://vixra.org/abs/1805.0081>
- **$2872.5 \text{ mkm}$  Uranus orbital Distance** is very important distance in the solar group because Uranus is the main player in the sun creation process, we have discussed that before in "The Time definition" <http://vixra.org/abs/1805.0523>
- **The value 60:** is a famous rate in the solar group, and it's found basically because 1hour = 60 minutes and 1 minute = 60 seconds.... Means this rate is found between the distances because these same distances are worked as units of time in different cases that's why this rate 60 is required...(please review Table No.3 in End of this introduction for a complete list for the rate 60)

### **6- How the Distance And Time Values can be equivalent?**

The Distance And Time Values are equivalent! What does that mean?

What distance is equivalent to what time?

I'll write here the general conclusion of this argument but the discussion and arguments are found in Point No.6 of this paper

#### ***The General Conclusion***

- The solar system uses a unified distance, say 1 million km, for different times rates!  
i.e.

- There's a cycle in which 1 mkm = 1 second
- There's another cycle in which 1 mkm = 1 minute
- There's another cycle in which 1 mkm = 1 hour
- There's another cycle in which 1 mkm = 1 day
- There's another cycle in which 1 mkm = 1 week
- There's another cycle in which 1 mkm = 1 month
- There's another cycle in which 1 mkm = 1 year
- There's another cycle in which 1 mkm = 1 Earth Cycle (1461 days)
- That means the same distance works for many Cycle periods... why?

**The solar group geometry uses the unified distances to create different rates of time**

What does that mean?

The distance also has different rates! Yes the time has day, minute and seconds...etc

But the distance has km and thousand km and million km and .....etc

So, how to understand this conclusion?

**Yes the distance has different rates but no cycle makes this rate to be known**

**The time different rates have cycles in the solar group to make these rates are shown**

That's why the humanity knew all time rates.... year, month, week, day, minute, seconds

These values are standard for the universe regardless the people knowledge

But for distance, people uses km, miles, cubes ....etc

**Solar Group Geometrical Design**

The previous conclusion is interesting, the time periods are clear for people but distances aren't that because the universe geometry explains the time different values and rates..

Interesting idea....

But what's the useful result form it?

Why the time different rates and values are seen but the distances aren't?

Because the distances are unified but the time values are specific and shown by cycles

So, the 1 million km which we used in previous data is the same

But with different rates of time..!

Now let's ask

why the solar geometry does that?! Because

**The Energy accumulation process depends on different rates of time**

**7- Energy Accumulation Concept (Why time and distance values are equivalent)**

By the different rates of time Earth motion can produce the Sun Energy i.e.

**What the Earth moved along complete year, the sun can uses for one day only**

so we can see how the energy is accumulated

let's summarize all that in clear idea

**-The main Idea Summary**

- Based on the solar group relativistic motions, time values can be seen as distances values
- The solar geometry uses unified distances to create different values of time, which are seen by different cycles
- The time different values depend on each other to create different rates of time
- By this different rates of time the Energy can be accumulated to produce huge energy from average one.
- Based on this description, the solar planets motions produce the sun light beams

This claim proves and discussion will be in point No.7 of this paper

Please See also

Solar Group Geometrical Structure

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