

## The Moon Creation And Motion

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### Abstract

### Paper Hypothesis

**The Earth Moon Is Created By Mars Collisions With of Venus & Earth**  
(This Suggested Theory Is Supported By The Giant-Impact Hypothesis)

### Mars Migration Theory:

- Mars original orbital distance was 84 mkm. and Mars had migrated to 227.9 mkm
- Through Mars Motion from 84 mkm to 227.9 mkm, Mars had collided with Venus and then Mars had collided with Earth also.
- From the Collisions debris The Earth Moon was created –and Mars had found its moons. And the rest debris had attracted by Jupiter and created **The Asteroid Belt**

**The Giant-Impact Hypothesis** is in consistency with **Mars migration theory**

**But** Instead of the (Supposed Planet) **Theia**, Mars itself made the collisions.

**Mars migration Theory** solves The **Giant-Impact Hypothesis difficulties**:

- I. **Why Venus has No Moon?** – Because Mars had migrated and moved from 84 mkm to 227.9 mkm and pushed all debris in its motion direction – **far from Venus** – So Venus had found no debris around to create its own Moon - But Earth has a greater Mass and the debris lost their motion high momentum at Earth Position– so Earth could attract some debris and create its moon
- II. **The Lunar Magma Ocean (LMO) Origin– is Venus** – because the moon is created by 3 planets debris (Venus – Earth – Mars) – So their rocks are found in it
- III. **Why The Iron Oxide (Feo) of the Moon= (13%)? Because** The rate (13%) is a middle between Mars rate (18%) and the terrestrial mantle (8%).
- IV. **Why Mars diameter (and Mass) are decreased through the history? Because** of the collisions – Mars diameter lost around ( 4.1 %) (And Mars mass also which causes difficulties for Mars gravitation equation)
- V. **Mars migration** is done **Because of The Sun Creation Process**
- VI. Is there a possibility that Mars will return to its original point (84 mkm)? **Yes**
- VII. **Why?** Because the Planet orbital distance is defined relative to its diameter (and Mass) Mars now is in **the wrong Position**- but forced to it because of the sun effect

**Conclusion The Giant-impact hypothesis supports Mars migration Theory**

## 1- Introduction

Mars Migration Theory we have discussed frequently – Why we need a new paper about it?

The theory left behind many questions still need to be solved – in this paper we discuss Mars Effect on the Moon Motion....

Is this question an interesting one?

It's incredible interesting- it's a real puzzle beyond our ability to solve! Why?

Because

Mars Migration Theory tells that – the Moon is consisted of three planets rocks which are Mars- Earth and Venus-

Now ....Why Mars effect so greatly on Earth Moon Motion? or Why there's great interaction between Mars & the Moon Motions?

Suppose Mars Migration Theory is correct and The moon rocks include some rocks of Mars – let's accept that as fact- but why these rocks force the Moon to move in harmony with their parent (Mars!)? How these rocks can effect on the Moon Motion?!

let's discover this effect through the data as following....

### Data

- 687 days (Mars Orbital Period) = 27.3 days (the Moon orbital period) x 25.2  
(Where **25.2 degrees** = Mars Axial Tilt)
- **25.2 degrees** = **1.9 degrees** x 13.18 degrees (Where 13.18 degrees = the Moon Daily Motion Degrees)

Also

- 7 deg = Mercury Orbital Inclination = 5.1 deg The Moon Orbital Inclination + **1.9 deg Mars Orbital Inclination**

### Discussion

The previous data is examples of many similar data we should discuss in this paper – the question is still the same – how some rocks separated from Mars and be included in the moon – how these rocks can effect on the moon motion? how to force the moon motion to be in harmony with Mars Motion as the data shows clearly?

This is the paper question – and the answer should as deep as possible – we need to start from our basic question **How the matter is created?** what's the matter? What are these rocks which removed from Mars and be included in the moon?!

There are different events are done as result for the sun creation – let's refer to them in following for revision – any way we interest in this paper for The motions interaction between Mars and the Moon basically

## Before The Sun Creation

The Solar Planets Order Was As Following

- Mercury (where Pluto was The Mercury Moon) – then Mars –then Venus – Then Earth- The Uranus – Then Neptune – Then Jupiter –
- The orbital distances of Mercury – Venus – Earth - aren't changed.

### **The Solar System Before Sun Creation**

- Mercury Axial Tilt was 1 degree
- Mercury Day Period was 176 Solar Days
- Venus Axial Tilt was 1.774 degrees ( $= \pi^{1/2}$  degrees)
- Mars Orbital Distance was 84 mkm
- Pluto was The Mercury Moon
- **Saturn Was Created After The Sun Creation**

### **The Solar System After The Sun Creation**

- Mercury Axial Tilt becomes 0.01 degree
- Venus Axial Tilt received The lost value (from 1 to 0.01) – to save the inner planets energy – So Venus axial tilt changed from 1.774 deg to 177.4 deg
- Pluto had to move far from Mercury – with a distance = 57.9 mkm (Mercury orbital distance) for each point (from 1 degrees to 0.01 degrees) –that forced Pluto to move far from Mercury with a distance  $= (100 \times 57.9 \text{ mkm}) = 5906 \text{ mkm}$  Pluto orbital distance
- **Mars had migrated from (84 mkm) to (227.9 mkm)**
- As a result of Mars Migration the Earth Moon was created.
- Mercury Day was decreased by 84 minutes =5040 seconds
- The inner Planets changes are recorded with Uranus Data
- Uranus hold the solar system to prevent its destruction-
- Uranus depended on Earth basically and Venus to save the solar system.
- Uranus caused Saturn to be created to help the solar system rescue.
- Saturn & Jupiter unified their power to save the solar system.
- Uranus & Earth Connection is the first basic connection to save the solar system and the next one is the relationship between Venus and Saturn.
- The Cycle 2737 years is a real cycle found to record the events.
- The planets data analysis shows that Uranus effects vertically on the solar system – and Uranus by this effect prevent any overturn motion can be done by any planet and by that Uranus help to unify the planets general motion around the sun.
- Uranus Data Analysis shows that – there's a perpendicularity in the solar system motion – based on that we conclude – "The is on vertical line relative to Uranus – means – There's 180 degrees between the sun and Uranus on the vertical level.

### **Paper Contents**

2- Methodology

3- Mars & The Earth Moon Motions interaction

4- Venus & Earth roles in Mars & Moon Motions Interaction

### **5- Mars Migration Theory proves (Revision)**

## 2- Methodology

Let's remember one of Einstein basics questions in following

**Why The Matter Electromagnetic Properties Can't Predict The Matter Mechanical Properties?! i.e.**

### **How the matter is created?**

Why Earth Circumference = 40080 km = the (5) inner planets diameters total?

Lorentz add more depth for this investigation – so let's ask again

*Is Lorentz length Contraction Phenomenon a real phenomenon effect on the particle own nature, or it's just illusion of measurement? My answer is Lorentz length Contraction Phenomenon is a real phenomenon Why?*

Because

(1<sup>st</sup>) Empirical results prove these features (length contraction- mass increasing)- and We need to protect the physical experimental measurements credibility- means we attribute any properties to any particle based on experimental results ....And

(2<sup>nd</sup>) If the particle real (and correct) data is found when this particle motion relative to me = zero, that means I'm **The Universe Reference Point**.

The next question is ready

**Why Particle data (length and mass) can be changed with high velocity motion?**

### **How the matter is created?**

We can perform no progress unless we answer this question...

The Observer Effect Concept add more depth for this same investigation

- Why does a particle behave s particle and not as a wave after its observation? How the observer effect on the particle nature?
- It's some strange experiment – before the observation we have (particles or waves) but after the observation we have particles only! Why?

### **How the matter is created?**

Let's imagine we have 2 observers travel with light velocity (0.3mkm/sec) – how each one will see the other? No difference in velocity between their motions – so each observer will see the other as a matter (a Particle)

That's my situation – no difference in velocity between my motion and my computer motion – so if we both are in a spacecraft moves with light velocity nothing change

The argument tells us that – Not all matters we see as matters still matters for all observers.

## Methodology

How the previous discussion can explain the research methodology?

### **Shortly**

I use the planets data analysis to discover the geometrical and physical rules on which the planets were created – Specifically-

- 1- I compare between the planets data and the physics acceptable theories to see if there's a consistency between both
- 2- I compare between the planets data with each other to see if they are independent or dependent on each other..

### 3- Mars & The Earth Moon Motions interaction

3-1 Preface

3-2 Mars & Earth Moon Motions Interaction

#### 3-1 Preface

Frequently we discuss this same subject – but no final conclusion we reach! And no end of the discussion! Why?

The data shows an interaction between both motions – but no explanation why this interaction is found or how to effect – the objection always be "the data is created by pure coincidence!" and So the understanding try just be failed!

So – this time – we try to show the discussion – systematically – clear as possible

#### First Point:

Is there an interaction between Mars & The Earth Moon Motions?

#### Second Point:

How this interaction can be found?

And then the next question is .....**What Does Cause The Motions Interaction?!**  
The gravity forces!

Let's provide another idea here ...

If the planet matter is a form of energy (or if the matter is a light beam we see as matter) can we expect a light motion is included the planet motion?

#### How the matter is created?

The questions are repeated because they have no answers! We can't perform any progress – We simply swing in our positions – **How the matter is created?**

- If the matter creation process is relative to the light velocity that will change the planet motion concept-
- If the Earth is older than the sun – in this case how the planet moves? By what force?

Now we keep by hearts the concepts but we can neither explain the phenomena nor understand the planets data – we simply see the planets motions but understand nothing!

This paper doesn't aim to criticize any theory – but we need to have a chance to understand the planets data – we keep by hearts that "**Because of the great distance and mars small mass, no possible effect of mars can be found on the Earth Moon!**"

No understating!

Does by the sun mass gravity the planet move? So why Jupiter is not the most near planet to the sun because of its massive mass? No answer

Why Uranus (less mass) is nearer to the sun than Neptune (Greater Mass)?  
Why the Earth Moon escapes from Earth Gravity but Pluto don't from the sun gravity where Earth gravity on the moon thousands times than sun gravity on Pluto?  
Simply the questions were left behind!

What we try to do?  
Basically we need to explain how the planet data is created?  
Why the rate 25.2 is found between Mars orbital period and the Moon orbital period?  
Where 25.2 degrees = Mars Axial Tilt

Let's think patiently .....

What's the Planet Axial Tilt? How does any planet define its Axial Tilt? For Example Uranus axial tilt =97.8 degrees why? Why not 50 degrees??

Earth axial tilt = 23.4 degrees - what should be done to make Earth axial tilt =zero?

The planet data is not just numbers! They are the planet geometrical structure details

**Let's consider a house-** how to describe this house? You tell its area – how many stories- the walls and roof thickness....!

So Why The Earth Moon Diameter =3475 km? What the current theory tell us?  
The Earth attracted the debris and collected them together to create its moon  
The moon diameter depends (to some extend) on Earth mass..!  
This is the current theory! So can it solve our puzzles?!

- (The sun diameter/ moon diameter) =(Earth orbital distance/ Earth Moon distance)
- **The Moon Diameter x The Sun Diameter = Jupiter Orbital Circumference**
- **The Moon Diameter x Venus Diameter = Earth Venus Distance** (error 1.6%)
- (Earth diameter / moon diameter)<sup>2</sup> = (Earth orbital period / moon orbital period)

The previous data is a point of a sea of similar data – we simple should to remove all this data because our theory tells no effect is possible because of the great distance

Again – the key is – how the matter is created? – if the matter creation depends on light velocity – that will force the theory to accept that the light motion is a part of the planet motion –

Means the planet motion include (inside it ) a light motion – and by this light all planets will be connected together in one geometrical structure and that will force all planets data to be created relative to each other because all of them consist one machine or one train – so they are created depending on each other and moved by one unified motion as a train (**Train Motion Concept**)

### 3-2 Mars & Earth Moon Motions Interaction

#### Data

(1)

$$- 25.2 = (687 \text{ days} / 27.3 \text{ days}) = (13.18 \text{ degrees} / 0.526 \text{ degrees})$$

687 days = Mars Orbital Period

27.3 days = the Moon orbital period)

**25.2 degrees** = Mars Axial Tilt

**0.526 degrees** = Mars Motion Degrees Daily

(2)

$$- (1/0.526 \text{ degrees}) = 1.9 \text{ degrees}$$

$$- 1.9 = (687 \text{ days} / 365.25 \text{ days}) \text{ (where } 365.25 \text{ days} = \text{Earth orbital period)}$$

Also

$$- 7 \text{ deg} = \text{Mercury Orbital Inclination} = 5.1 \text{ deg} \text{ The Moon Orbital Inclination} + \mathbf{1.9 \text{ deg Mars Orbital Inclination}}$$

(Note 687 days (Mars orbital period)  $\times 2\pi = 4331$  days (Jupiter orbital period))

(3)

$$- 687 \text{ mkm} = 329.83 \text{ days} \times 2.082 \text{ mkm/day} \text{ (Mars velocity per solar day)}$$

(4)

$$- 720.7 \text{ mkm} = 346.6 \text{ days} \times 2.082 \text{ mkm/day}$$

But

$$- 243 \text{ mkm} = 116.7 \text{ days} \times 2.082 \text{ mkm/day}$$

$$- 243 \text{ mkm} = 58.66 \text{ days} \times 4.095 \text{ mkm/day}$$

(5)

$$- 760 \text{ mkm} = 365.25 \text{ days} \times 2.082 \text{ mkm/day}$$

(6)

$$- 25920 \text{ mkm} = 144 \text{ mkm} \times 180 = (\text{Jupiter Mass} / \text{The Moon Mass}) \times 1 \text{ mkm}$$

But

$$- 144 \text{ mkm} \pi = 2 \times 227.9 \text{ mkm}$$

$$- 144 \text{ degrees} = 180 \times 0.8$$

$$- 144 \text{ degrees} = 5.1 \text{ degrees} \times 28.3 \text{ degrees (Neptune Axial Tilt)}$$

(7)

$$- 687 \text{ seconds} \times 0.3 \text{ mkm/sec (light velocity)} = 206 \text{ mkm}$$

(8)

$$- (\text{The Moon Velocity Daily}) = 1/ (\text{Pluto Velocity Daily})$$

$$- (\text{Mars Velocity Daily}) = 1/ \text{Neptune Velocity Daily}$$

(9)

$$- 4.37 \text{ mkm} \times 0.1205 \text{ mkm} = 0.526 \text{ mkm}^2$$

(10)

$$- 1.16 \text{ mkm} = 0.406 \text{ mkm} + 2 \times 0.377 \text{ mkm}$$

$$- 1.9 \text{ mkm} = 1.16 \text{ mkm} + 2 \times 0.377 \text{ mkm} - 13.18 = (1.16 \text{ mkm} / 88000 \text{ km})$$

$$- 1.16 \text{ mkm} = 43000 \text{ km} \times 27.3 \times 0.99$$

$$- 1.16 \text{ mkm} \times 0.99 = 366556 \text{ km (the outer planets diameters total)} \times \pi$$

## More Data

(11)

$$\frac{\text{Saturn velocity}}{\text{Uranus velocity}} = \frac{\text{Planets Masses Total}}{\text{Jupiter Mass}} = \frac{\text{Planets diameters total}}{2 \times \text{Jupiter diameter}} = \frac{\text{Jupiter Radius}}{\text{Uranus Diameter}} = \frac{\text{Mercury Diameter}}{\text{Moon Diameter}}$$

(12)

- 29.2 degrees = 29.53 days x 0.985 degrees (Earth Motion Daily)
- 29.2 deg. = 29.53 days x 13.18 degrees (The Moon Motion Daily) (389.2= 360+29.2)
- 29.2 = 2.58 mkm (Earth daily motion distance)/ 88000 km

(13)

- (Uranus Velocity daily /88000 km) = 6.7
- (Mars Velocity daily /88000 km) = 23.66
- 13.4 x 1.3 degrees (Jupiter orbital inclination) = 17.4

(14)

- (Mars Mass / Earth Moon Mass) = 8.8
- (Mars Mass / Mercury Mass) = (Earth Mass / 4 inner planets masses total)

## The Discussion

The data supports the concept so strongly and clearly  
Almost Mars and The Earth Moon Motions Data is exchangeable!

**Equation No. (1)**

$$- 25.2 = (687 \text{ days} / 27.3 \text{ days}) = (13.18 \text{ degrees} / 0.526 \text{ degrees})$$

687 days = Mars Orbital Period  
27.3 days = the Moon orbital period)

**25.2 degrees** = Mars Axial Tilt

**0.526 degrees** = Mars Motion Degrees Daily

Please Note

**0.526 degrees** = Mars Motion Daily (0.526= 360 degrees /687 days)

13.18 degrees = **the Moon motion daily** (13.18 = 360 degrees/27.3 days)

So

Why the rate 25.2 is produced by both orbital periods and motions degrees!

Why can't this equation prove the interaction between Mars and Moon Motions

Now the distance effect on planets motions interaction should be reviewed!

**Note Please**

**In Kepler law ( $d^3 / P^2 = \text{Constant}$ )**

**P** : The Planet orbital period    **d** : The Planet orbital distance

**If we use this law for the solar planets-the constant will be 25**

This is the rate we work with in this equation that tells us how (great effect) Mars practices on the solar system Data!



## The Distances Equality Proves Mars Effect On The Solar System

### Saturn Orbital Distance

(1433.5 mkm)

- = Saturn Uranus Distance
- = Mars Orbital Circumference
- = Pluto Neptune Distance
- = Pluto eccentricity Distance
- = Neptune Orbital Distance/ $\pi$
- = Uranus Orbital Distance /2
- = Mercury Jupiter Distance x 2

### (b)

- ❖ Mercury Neptune Distance = Saturn Pluto Distance
- ❖ Mercury Saturn Distance = Neptune Orbital Circumference
- ❖ Jupiter Pluto Distance = Uranus Neptune Circumference
- ❖ Earth Neptune Distance = Mercury Saturn Circumference (0.5%)
- ❖ Jupiter Uranus Distance = Jupiter Saturn Circumference (1.5%)

### (c)

- ❖ Jupiter Mercury Distance = 2 Mercury Orbital Circumference
- ❖ Jupiter Venus Distance = Venus Orbital Circumference
- ❖ Jupiter Earth Distance = Earth Orbital Circumference
- ❖ Jupiter Mercury Distance = Mars Orbital Distance x  $\pi$

### (d)

- ❖ Jupiter Uranus Distance = Venus Jupiter Circumference
- ❖ Uranus Pluto Distance = Earth Orbital Circumference x  $\pi$
- ❖ Pluto Orbital Distance = Earth Orbital Circumference x  $2\pi$

### Equation No. (8)

- (The Moon Velocity Daily) = 1/ (Pluto Velocity Daily)
- (Mars Velocity Daily) = 1/ Neptune Velocity Daily)

The previous equation shows that the migrant planets have specific positions – these 4 planets (velocities) are defined after Mars & Pluto Migration – because Pluto pushed Neptune and occupied its position (5906 mkm) –

This equation we need to discuss deeply as possible –

Let's discuss this previous data and the point No. 4

### 4- Venus & Earth roles in Mars & Moon Motions Interaction

In the next paper (The Moon Creation And Motion II)

Because we need an extending discussion for each point –

Just let's provide in next point Mars Migration proves for revision

## 5-Mars Migration Theory Proves

(1<sup>st</sup> proof) The Giant –Impact Hypothesis (The Geological Proves)

(2<sup>nd</sup> proof) The Planets Order Analysis

(3<sup>rd</sup> proof) Mars migration Results

a- **The Earth Moon Creation**

b- **Mars Moons Creation**

c- **Mars Diameter (and Mass) decreasing**

d- **The Asteroid Belt Creation**

(4<sup>th</sup> proof) Planet Effect On Its Neighbor

(5<sup>th</sup> proof) Mar migration Motion Direction

### (1<sup>st</sup> proof) The Giant –Impact Hypothesis (The Geological proves)

As the paper abstract shows how Mars theory is in consistency with The Giant-  
Impact hypothesis – also Mars migration theory answers many basic questions face  
the giant –impact hypothesis –as we have discussed–

#### **Why Venus has no moon?**

because Mars Motion was from the point (84 mkm) to (227.9 mkm)– so the direction  
of Motion is defined - and Mars Motion pushed all debris to move with Mars that  
made a wave pushed all debris far from Venus – So Venus Couldn't create a moon for  
it. then these debris lost their high motions momentum when reach to Earth position  
and because Earth mass is greater than Venus – Earth could attracted some debris and  
created from them its moon –

**Mars Moons** supports this description because Mars with small mass could attracted  
2 moons – How?

Because the debris high momentum is lost already, and its motion became so weak  
even Mars could attracted its moons –

Also the rest debris was attracted by Jupiter and created **The Asteroid Belt**.

Please review **The Giant –Impact Hypothesis -**

**The Lunar Magma Ocean (LMO) Origin– is Venus –**

This solution is so important, it solves a serious difficulty – as explained before

Now the question is why Mars had migrated when the sun is created? we have to  
discuss that later...

#### **Why Mars original orbital distance was 84 mkm?**

Because the planet orbital distance depends on its diameter and mass – but the order  
is disturbed by Mars migration and we don't see it now – the planets order analysis  
we should discuss in the following point...

## **(2<sup>nd</sup> proof) The Planets Order Analysis**

Mars migration theory is born basically based on the planets order analysis

*(Mercury – Venus – Earth)*

This order of planets shows an order in planets diameters, masses and orbital distance – the order rule is

### **A Greater Diameter Or Mass Needs A Greater Orbital Distance**

If this order controls all planets so Mars should be the second planet after Mercury –  
But –

*(Jupiter – Saturn – Uranus – Neptune – Pluto)*

the outer planets order shows that the rule depends on planet diameter (and not mass because Uranus Diameter is greater than Neptune but less Mass) and the rule is reversed from the previous one

i.e.

### **A Greater Diameter Needs A Shorter Orbital Distance –**

This analysis refers to that Mars may be found in a wrong position in the planets order and this wrong position causes a disturbance for the planets order – based on this analysis Mars migration theory can be concluded ... to get **the correct answer** we need to know if **There's A Real Relationship Between Planet Diameter And Orbital Distance.** –

**(3<sup>rd</sup> proof) Mars migration Results**

- a- The Earth Moon Creation
- b- Mars Moons Creation
- c- The Asteroid Belt Creation
- d- Mars diameter Decreasing (4.1%)
- e- Mars Mass Decreasing (4.1%)

Simply we have a reason to answer Why Venus has no moon but Mars (mass =1/13) has 2 moons?!

The fact shows itself clearly – there were no debris around Venus to create a moon! But Mars had!? Why? because of the Motion Direction

Mars had moved from the Point (84 mkm) to the point (227.9 mkm) from the sun and pushed all debris with it in the same motion direction – so no debris left around Venus – because all debris had moved with Mars in its Motion Direction

Now if we practice such event – what expectation we may conclude?

Mars Diameter (and Mass) must be decreased

i.e.

Mars Diameter (and Mass) must be decreased than their values when Mars was in its original orbital distance (84 mkm)

**Can this conclusion be proved?**

The gravitation Equation works only with Saturn and Jupiter Masses – where

$$\frac{(\text{Saturn orbital distance})^2}{(\text{Jupiter orbital distance})^2} = \frac{\text{Jupiter Mass}}{\text{Saturn Mass}} = 3.4$$

**If Mars Mass is increased by 4.1% the gravitation equation can work**

$$\frac{(\text{Mercury orbital distance } 57.9 \text{ mkm})^2}{(\text{Mars original orbital distance } 84 \text{ mkm})^2} = \frac{\text{Mars Mass } 0.668}{\text{Mercury Mass } 0.33}$$

(Equation Error 3.4%)

**Question (1)**

**Why don't all planets follow the gravitation equation?!**

Because of Mars migration which caused disturbance for the planets order

**Question (2)**

Is there any proof that Mars Diameter is decreased by the same rate (4.1%) **Yes**

Mercury orbital distance 57.9 mkm = Mercury Diameter 4879 km x 10<sup>9</sup>

Earth orbital distance 149.6 mkm = Earth Diameter 12756 km x 10<sup>9</sup>

Saturn orbital distance 1433.5 mkm = Saturn Diameter 120536 km x 10<sup>9</sup>

Mars (org) orbital distance 84 mkm = Mars (org) Diameter 7070km x 10<sup>9</sup>

*(Mars Diameter 7070 km is increased than the Mars registered diameter 6792 km with 4.1%)*

#### (4<sup>th</sup> proof) Planet Effect On Its Neighbor

Let's summarize the idea in following...

- I claim each planet effect on its neighbor planet data and motion
- I provide data shows such effect (for example Earth effects on Mars Motion)

So

- If we have found data claiming that – Mars Motion is effected by Mercury Data – so this data may refer to that – Mars was a neighbor of Mercury

#### I- Data

(1)

$$687 \text{ days (Mars orbital period)} = 365.25 \text{ days (Earth orbital period)} \quad \times 1.9$$

$$687 \text{ days (Mars orbital period)} = 27.3 \text{ days (The moon orbital period)} \quad \times 25.2$$

But 25.2 degrees = Mars axial tilt and 1.9 degrees = Mars orbital inclination

$$\text{Also } 25.2 \text{ deg (Mars axial tilt and)} = (1.9 \text{ deg. Mars orbital inclination}) \times 13.18 \text{ deg.}$$

Where

The moon motion degrees daily = 13.18 degrees

We should not limit our discussion for just Data consistency – let's see its depth

Because

Mars moves per solar day = 0.524 degrees (=360 degrees /687 days)

The value 0.524 degrees = (1/1.9) where 1.9 degrees = Mars orbital inclination

i.e.

Mars Data (25.2, 1.9, 0.524 ...etc) depends on the solar day period of time

(2)

$$4331 \text{ days (Jupiter orbital period)} = 687 \text{ days (Mars orbital period)} \times 2 \pi$$

#### II-Discussion

The previous data shows that Earth and moon on one side and Jupiter on the other side all of them effect on Mars orbital period (i.e. effect on Mars Motion)

#### More Data

#### Equation No. (1)

$$\left( \frac{\text{Mercury Diameter}}{\text{Mars Diameter}} \right)^2 = \frac{\text{Mars Mass}}{\text{Mercury Mass}} = 0.524$$

#### Equation No. (2)

$$\frac{\text{Mars Orbital Period } 687 \text{ days}}{\text{Mercury Day } 175.94 \text{ days}} = \frac{\text{Mars Orbital Distance } 227.9 \text{ mkm}}{\text{Mercury Orbital Distance } 57.9 \text{ mkm}} = 3.93$$

#### Equation No. (3)

$$\frac{\text{Mars Day } 24.7 \text{ hours}}{\text{Earth Day } 24 \text{ hours}} = \frac{\text{Earth Orbital Period } 365.25 \text{ days}}{\text{Moon Synodic Year } 354.36 \text{ days}} = 1.029$$

#### Equation No. (5)

$$7 \text{ deg. (Mercury Orbital Inclination)} = 1.9 \text{ deg. (Mars Orbital Inclination)} + 5.1 \text{ deg. (Earth Moon Orbital Inclination)}$$

**(5<sup>th</sup> proof) Mar migration Motion Direction**

Let's summarize the idea in following

- The solar system has one defined motion which is the planets revolution around the sun
- Mars Motion from (84 mkm) to (227.9 mkm) is a new direction of Motion is unknown in the solar system
- In this point I refer to another motion started from Jupiter to Pluto – and this motion is in the same direction of Mars migration Motion which makes Mars migration Motion is a defined motion in the solar system and not a unique one

Please review Jupiter Data Analysis in my previous paper

Please review

The Sun Creation Reason And Effect (II)

<https://vixra.org/abs/2004.0534>

The Earth is Older Than The Sun

<https://vixra.org/abs/2004.0553>

The Solar Planets Order Still Shows More Puzzles

<https://vixra.org/abs/2004.0086>

## References

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