

The Solar Planets Order Still Shows More Puzzles

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Abstract

The Direct question is,

Why doesn't the solar planets order follow the gravitation equation?!

Where the sun mass is constant in all planets equation- that means – the planets should be ordered based on their masses from the great mass to the less one..

By this description Jupiter should be the most near planet to the sun

Of course that's not trueBut

Jupiter and Saturn distances to the sun follow the gravitation equation!

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

This equation tells that both Jupiter and Saturn follow the gravitation equation perfectly and also the greatest mass is more near to the sun...

But no other planets follow it!! The Equation doesn't work! **Why?!**

Because

Mars original orbital distance was 84 mkm and Mars had immigrated from it to its new orbital distance 227.9 mkm – Through this Motion from 84 mkm to 227.9 mkm

Mars had collided with Venus and after that Mars had collided also with Earth

From these Collisions debris Earth Moon is created –from the debris Mars had found its moons and the rest debris were attracted by Jupiter, creating **The Asteroid Belt** –

This Theory solves many questions in the Giant –impact hypothesis

- The Lunar Magma Ocean (LMO) Origin– **is Venus** – because the moon is created by 3 planets debris – that's why the three planets rock are found...

- why Venus has no moon? this also is solved – because Mars moved from 84 mkm to 227.9 mkm and pushed all debris with its motion direction – far from Venus – but Earth has greater Mass and the debris lost their high momentum – so Earth could attract some debris and create its moon

- why The Iron Oxide (FeO) of the Moon= (13%)? This also is solved because The rate (13%) is a middle between Mars rate (18%) and the terrestrial mantle (8%).

- i.e. **The Giant-impact hypothesis supports Mars Immigration Theory**

The Conclusion : The Solar Planets Order Proves Mars Immigration Theory

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1 **1- Introduction**

2 Let's – once again – try to analyze the planets order in following:

3 Spite Jupiter and Saturn follows perfectly the gravitation equation – but- the planets
4 order shows almost an order depends on the planets diameters and not masses!

5
6 - The order (Mercury – Venus – Earth) shows that greater diameter (or mass) need
7 greater orbital distance (contradicting the gravitation equation!)

8
9 - The order (Jupiter – Saturn – Uranus – Neptune – Pluto) shows that greater
10 diameter (but not mass) needs shorter orbital distance (the order depends on
11 Planets diameters because Uranus diameter is greater than Neptune but less mass)

12
13 - The order still tells more data ... (Jupiter – Saturn – Neptune – Uranus – Pluto) this
14 order is done for the outer planets based on their masses – but their days periods
15 are ordered based on their masses – the greatest mass has the shortest day period.

16
17 - Mars immigration theory started from this analysis – because if Mars was the
18 second planet after Mercury – the inner planets order will be in perfect form as
19 following (Mercury – Mars – Venus – Earth) the order in diameters- masses and
20 orbital distances...

21
22 - The basic question... does the planets order depend on their diameters or masses?

23 The answer is with kepler *Let's see it in following:*

24 "Kepler thus assumed that the volumes of the planets were proportional to their distances to
25 the sun and the quantity of matter they contained to the square root of this distance, so that
26 planetary densities varied inversely as square root of the orbital radius and is this ad hoc
27 way be could reproduced his third law (T^2 varies with a^3) and absorb into physical
28 Astronomy" "From Eudexus to Einstein A history of Mathematical astronomy" (page 198-
29 199) C.M. Linton – Cambridge university Press...

30
31 - The order simply depends on both the diameter and the mass – why? because the
32 planet material density is a function of its distance to the sun!

33
34 - This strange idea may give some light how explain the solar planets order

35
36 Let's remember why we analyze the planets order?

37
38 To prove that Mars original orbital distance was 84 mkm and mars had immigrated to
39 its new orbital distance 227.9 mkm

40
41 So let's provide this paper content

42
43 **2- The Solar Planets Order Analysis**

44 2-1 Mars Immigration Theory

45 2-2 The Gravitation Equation

46 2-3 Mars Diameter Decreasing

47

2- The Solar Planets Order Analysis

2-1 Mars Immigration Theory

The Giant-impact hypothesis supports Mars immigration theory

The Giant-impact hypothesis suggests that, The Earth Moon is formed from the ejects of a collision between the proto-Earth and a Mars-sized planet,
Please Review The Giant-impact hypothesis

Mars Immigration Theory Summary:

- Mars original orbital distance =84 mkm, and Mars had to move from it to its new orbital distance =227.9 mkm -i.e. Mars had to move from 84 mkm to 227.9 mkm.
- Through Mars motion from 84 mkm to 227.9 mkm – Mars had collided with Venus (at first) and then collided also with Earth (at Second)
- The debris which are produced by these collisions were pushed by Mars motion to move with Mars in the same direction – that causes the debris to move far from Venus and because of that Venus couldn't create a moon.
-
- But Earth Mass is greater than Venus and because the debris lost their high motion momentum at Earth Position, Earth could attracted some of these debris and created its moon–
- The rest debris were moved with Mars from which Mars could create its own Moons...
- Some of the rest debris were attracted by Jupiter and created **The Steroid Belt** i.e.

Mars immigration has 3 results

- 1. The Earth Moon Creation**
- 2. The Asteroid Belt Creation**
- 3. Mars Diameter Decreasing**

Mars Immgration Theory solves many important difficulties as following:

(1st Question) Why Venus has no moon spite it had a similar collision?

Because Mars was moving from the point (84 mkm) to the point (227.9 mkm) – So Mars pushed all debris to move with it in the same motion direction – Mars had created a wave to push all debris far from Venues toward Mars current orbital distance (227.9 mkm)- for that reason **Venus Couldn't Create A Moon** – but Earth has **A Greater Mass** and the **Debris Lost Their Motion High Momentum** at Earth – so Earth could created its moon from these debris

1 **(2nd Question) The Lunar Magma Ocean (LMO) Origin?!**

2 **The Origin Of This Ocean Is Venus** and by that – the mystery is solved easily – the
3 moon rocks are consisted of 3 planets rocks which are Venus – Earth - Mars – and
4 because of that the 3 planets rocks are seen among the moon rocks.

5
6 **(3rd Question) why The Iron Oxide (Feo) of the Moon= (13%)?**

7 The rate (13%) is a middle between Mars rate (18%) and the terrestrial mantle (8%)
8 because the moon is created by all of them.

9
10 **(4th Question) Why The Solar Planets Order doesn't follow the gravitation**
11 **equation?**

12 Because Mars had changed its original orbital distance (84 mkm) to its current orbital
13 distance (227.9 mkm) – and this change caused a distribution for the planets order

14
15 **(5th Question) how to prove that Mars diameter is decreased through the history?**

16 Because there's a relationship between the planet diameter (and mass) and its orbital
17 distance – so by a deep analysis we may conclude how the change occurred for the
18 planet diameter

19 And by this analysis we may prove that Mars diameter was =7070 km when its
20 orbital distance was 84 mkm and Mars diameter is changed because of the collisions
21 done with Venus & Earth through its motion from 84 mkm to 227.9 mkm.

22
23 Because Mars had changed its original orbital distance (84 mkm) to its current orbital
24 distance 227.9 mkm and that caused a disturbance for the planets order.

25
26 **Mars Immigation Theory Is Proved By 5 Proves Which Are:**

27 **(1st proof)** The Giant –Impact Hypothesis (The Geological Proves)

28 **(2nd proof)** Planet diameter & orbital distance relationship (Planets Order Analysis)

29 **(3rd proof)** Planet effect on its neighbor

30 **(4th proof)** Mar Immigration Motion Direction

31 **(5th proof)** Mars Immigration results (Mars Diameter decreasing – Asteroid belt Creation)

32
33 *For more discussion please review*

34
35 Research Paper "Mars Immigration Theory"

36 <https://vixra.org/abs/2003.0689>

37 or

38 https://www.academia.edu/42453661/Mars_Immigration_Theory

39
40 The Giant-Impact Hypothesis Supports "Mars Immigration Theory" (III)

41 <https://vixra.org/abs/2003.0521>

2-2 The Gravitation Equation

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

We remember this equation...

This equation tells that J

Jupiter and Saturn follow perfectly the gravitation equation

We can't find any other planets follow the gravitation equation...

Spite of that

The gravitation equation proves clearly the following:

1- Mars original orbital distance was 84 mkm

2- Mars original Diameter was 7070 km

So the gravitation equation strongly support "Mars Immigration Theory"

Let's see that in following

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

(Equation Error 3.4%)

Mars registered Mass = 0.642×10^{24} kg (when Mars diameter = 6792 km) ...so

Mars Mass will be = 0.668×10^{24} kg (when Mars diameter = 7070 km)

So Mars Mass and Mars orbital distance with Mercury Mass and orbital distance all are controlled by the gravitation equation (a similar to Jupiter and Saturn)

Just If

(1) Mars orbital distance = 84 mkm

(2) Mars Mass = 0.668×10^{24} when Mars diameter = 7070 km

That lead to the following conclusion

Conclusions

(1)

If Mars didn't immigrate from its original orbital distance (84 mkm) to its new orbital distance (227.9 mkm) – the planets order will be created based on the gravitation Equation without any disturbance –

Shorly – ***Mars Was Mercury Neighbour***

(2)

Mars immigration was a great catastrophe in the oalr system could destroy it – but because Satrun and Jupiter unfiy their powers to save the solar system – the solar planets still in life

1 **2-3 Mars Diameter Decreasing**

2 Did Mars diameter decrease through the history?

3
4 **Yes** – it was 7070 km and becomes 6792 km (**The Difference 4.1%**)

5
6 How to prove that?

7 Based on the diameter analysis we have 2 proves as in following:

8
9 **(1st Proof)**

10 The planets order – as we have discussed before – let's remember it

11
12 The order **"Mercury – Mars – Venus – Earth"**

13 This order shows clearly that- the planets data are in order in their diameters – masses
14 and orbital distances – no confusion is found here – the order is perfect and clear

15
16
17 **(2nd Proof)**

18 (1)

19 Mercury Orbital Distance 57.9 mkm = Mercury Diameter 4879 km x 109²

20 (2)

21 Earth Orbital Distance 149.6 mkm = Earth Diameter 12756 km x 109²

22 (3)

23 Saturn Orbital Distance 1433.5 mkm = Saturn Diameter 120536 km x 109²

24 (4)

25 Mars (Original) Orbital Distance 84 mkm = Mars (original) Diameter 7070 km x 109²

26 (5)

27 **144mkm** = Venus Diameter 12104 km x 109²

28
29 **Discussion**

30 Equations 1,2 and 3 show clear rule (Planet orbital distance = planet diameter x 109²)

31
32 **Equation No. (4)**

33 Mars with (supposed data) follow the equation

34
35 **Equation No. (5)**

36 Venus doesn't follow the rule – but

37 Venus recorded the value 144 mkm= Mars displacement from 84 mkm to 227.9 mkm

38 So Mars moved the distance (144 mkm) as a defined distance – i.e. Mars had to
39 move to the point 227.9 mkm exactly and not to any other point...Why?

40 Because there's a relationship between the planet diameter and orbital distance – so
41 the displacement is defined in Mars and Venus diameters as seen in next discussion

1 **Mars Diameter Analysis**

2 Mars Current diameter 6792 km Venus Diameter =12104 km

3
4 $(\text{Mars current})^2 \times \pi = (\text{Venus Diameter})^2$

5 **That means**

6 **Mars diameter $\times \pi^{1/2} = \text{Venus Diameter} \dots$**

7
8 Note Please $\pi^{1/2} \times 100 = 177.4$ (where 177.4 degrees = Venus Axial Tilt)

9
10 We interest for the result $(\text{Mars current})^2 \times \pi = (\text{Venus Diameter})^2 = 144 \text{ mkm}$

11
12 **That means**

13 Mars Circumference \times Mars diameter = $(\text{Venus diameter})^2 = 144 \text{ mkm}$

14
15 **It's Mars displacement (from 84 mkm to 227.9 mkm =144 mkm)**

16
17 So the value **144 mkm** was defined in Mars and Venus Diameters

18
19 We remember the question No.3

20
21 **Why Mars had immigrated from its original point (84 mkm)? And Why specifically to the point 227.9 mkm? Why not to 200 mkm or 250 mkm?**

22
23
24 How I knew the point 84 mkm? I just discounted the value **144 mkm** from Mars current orbital distance 227.9 mkm

25
26
27 **Surely...** There's A Relationship Between The Planet Diameter And Orbital Distance

28
29 For that reason –

30
31 Mars Displacement was defined inside Mars & Venus Diameters – and for that the data is just in harmony

32
33
34 **$144 \text{ mkm} \times \pi = 2 \times 227.9 \text{ mkm}$ (Mars Current Orbital Distance)**

35
36 **Remember Please**

- 37 - Earth orbital distance 149.6 mkm = Earth diameter 12756 km $\times 109^2$
38 - Mercury orbital distance 57.9 mkm = Mercury diameter 4879 km $\times 109^2$
39 - Mars orbital distance 84 mkm = Mars diameter 7070 km $\times 109^2$
40 - **144 mkm** = Venus diameter 12104 km $\times 109^2$

41
42 The planets data are created depending on each other – because the solar planets is one machine and each planet is a gear in it – and based on that – each change in the solar system history is recorded in the planets data ...

43
44 That provides a decisive advantage for the planets data analysis as astrophysics research method.

1 **3- References**

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