

## Why Mercury Day Period = 4222.6 hours? (II)

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### Abstract

- There's a light beam travels with velocity 1.16 mkm/sec
- The Solar System is a puppets theater – the planets move together one unified motion as a train carriage
- The solar system unified motion depends on a period = 8 Mercury Day Periods =1407.6 solar days
- The planets unified motion main cycle (1461 days) depends on the period 1407.6 days (=8 Mercury Day Periods)
- The solar system is a machine moves to create different rates of time - so a planet cycle uses the second period to create the minute period –another cycle uses the minutes to create the hour period, and another uses the hours to create the solar day .....etc
- For example Mercury 8 days period (1407.6 solar days) is used as its rotation period (1407.6 hours) –

### References

,Why Mercury Day Period = 4222.6 hours,

<https://vixra.org/abs/2002.0347>

There's A Light Beam Travels With 1.16 mkm per sec (III)

<https://vixra.org/abs/2002.0338>

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## 1- Introduction

We still discuss Mercury Day Period = 4222.6 hours,  
Let's summarize the vision in few words...

I claim that, the solar planets cooperate with each other and produce together one unified motion – that's similar to the train, it moves with all carriages together – so no carriage moves individually – on the contrary – all carriages move together –

In the solar system – I claim that, the planets move together in one unified motion – the planets different velocities can't disprove my theory because the machine of gears has different gears some of them move fast and other move slowly – but all of them consist together one unified motion

It's the vision shortly

Now the question is – How to prove it?

Let's think together – imagine the planets consist one unified motion – how to discover that? How can we know that any 2 gears move together or individually? We may use that diameters rate – if one gear diameter is 2 times the other – so one revolution of the first equal 2 revolutions by the second –

So we need to analyze their motions and prove that they move cooperating with each other in one unified motion...

Imagine we have a machine consist of 10 gears – imagine the gears revolutions doesn't depend only on their diameters but also on other factors (for example their viscosity degree) – how can we discover the unified motion?

We need to know the **Revolution Rate** means we need to know how many revolution made by the first gear to cause one revolution by the second or by the third ...etc

It's clear idea

For example Mercury day = 4222.6 hours, if we use this number alone we learn nothing!

We need to know that Mercury rotation period = 1407.6 hours and now we can discover that **"3 Mercury rotation periods perform 1 Mercury day period"**!

**Why?** this is useful? we may discuss that later – but the concept should enlighten our way – this rate must be very useful and may help to prove that the planets move in one unified motion. we discovered also that **"2 Mercury orbital periods perform 1 Mercury day period"**! **Why?**

In this paper we discuss if the solar system is designed to use 8 Mercury Days (33780.8 hours) as the solar system main Period of time – or the period of time based on which the solar system main Cycle is created –

During the claim proves discussion we may be able to prove also that the Planets Mercury, Venus & Earth Motions depend on Jupiter motion – and the 4 planets motions energy is found by a light beam its velocity = 1.16 mkm/sec

## References

There's a Light Beam travels with 1.16 mkm/s (II) <https://vixra.org/abs/2002.0316>

## 2- Eight (8) days of Mercury Day Period

### I- Data

#### Group No. (I)

#### Please remember

(During 4224 seconds light with velocity 1.16 mkm/se travels a distance = 4900 mkm = Jupiter orbital circumference)

(1)

(i)

$8 \times 4222.6 \text{ hours} = 33780.8 \text{ hours} = 1407.5333 \text{ solar days}$

**(1407.6 h = Mercury rotation period)**

(ii)

$8 \times 4222.6 \text{ hours} = 33780.8 \text{ hours} = 24.6 \times 1375 = 9.9 \times 3412 = 5832.5 \times 5.79$

(2)

$1417.44 \text{ days (4 lunar synodic year period)} - 1407.533 \text{ days} = 9.9 \text{ solar days}$

(3)

$720.7 \text{ mkm (Mercury Jupiter Distance)} \times 8 = 5765.6 \text{ mkm (Uranus orbital diameter)}$

(4)

$90000 \text{ mkm} = \pi^3 \times 2872.5 \text{ mkm (Uranus Orbital Distance)}$

#### Group No. (II) - 4222.6 hours (Mercury Day Period)

(5)

$4222.6 \text{ solar days} = 3 \times 1407.6 \text{ solar days}$

$(1407.6 \text{ days} = 2\pi \times 224.7 \text{ days (Venus Orbital Period)})$

(6)

$4222.6 \text{ solar days} = 17.4 \times 243 \text{ solar days (Venus Rotation Period)}$

$(17.4 \text{ deg} = \text{the inner planets orbital inclinations total})$

(7)

$4222.6 \text{ hours} = 153.3 \text{ hours (Pluto Day Period)} \times 27.54 \text{ (27.3 d = moon orbital period)}$

#### Group No. (III) - 4224 mkm

(8)

$4224 \text{ mkm} = 2\pi \times 670 \text{ mkm (Venus Jupiter Distance)}$

But

$4224 \text{ mkm} \times 0.99 = 2 \times 2088 \text{ mkm (Jupiter Uranus distance)}$

$(\text{remember } 3600 \text{ seconds} \times 1.16 \text{ mkm/sec} = 2 \times 2088 \text{ mkm})$

(9)

$(4222.6 \text{ mkm}/929 \text{ mkm}) = (86400 \text{ mkm} / (612 \text{ mkm} \times \pi^3))$

(10)

$4224 \text{ mkm} = 5040 \text{ days} \times 0.838 \text{ mkm (Saturn velocity per solar day)}$

(11)

$4224 \text{ mkm} = 149.6 \text{ mkm (Earth orbital distance)} \times 28.3 \text{ deg (Neptune axial tilt)}$

(12)

$4224 \text{ deg} = 23.45 \text{ deg Earth axial tilt} \times 180 \text{ deg}$

## I- Discussion

### Equation No. (2)

**1417.44 days (4 lunar synodic year period) – 1407.533 days =9.9 solar days**

29.53 days (a synodic lunar Month ) x 12 = 354.36 solar days (A synodic year)

**4 Synodic Year = 354.36 days x 4 = 1417.44 days**

-  
8 Mercury Days Periods =1407.533

The difference =9.9 solar days

But

**9.9 hours = Jupiter Day Period**

We know also

**1407.6 hours = Mercury Rotation Period**

So

8 Mercury Days should be considered the solar system geometry basic period because

(1) By this period (1407.6 solar days) Mercury day use the solar day period as an hour (shortly – Mercury motion aims to change the rate of time – what is 1 solar day on Earth will be seen as 1 hour on Mercury) - this change is valid for Jupiter also –so Jupiter day (9.9 hours) will be seen as (9.9 solar days) – as the previous equation explain clearly

(2) By this period (1407.6) Mercury help to define the solar system basic Cycle (1417.44 solar days) – that means – this period (1417.44 days) is defined by 8 of Mercury days periods total with Jupiter day (9.9) to create the 4 synodic period 1417.44 days –based on this period 1417.44 days the basic Cycle 1461 solar days is created

Why 1461 days is the solar system basic cycle? Because it's a cycle of all planets and earth move by this cycle as representative of all planets!

The data can prove that easily where

1461 days x 17.75 mkm (planets velocity per solar day) =25920 mkm = this distance is passed by light (0.3mkm/sec) during a solar day 86400 seconds..

For better understanding let's see equation no.3

### **Equation No. (3)**

720.7 mkm (Mercury Jupiter Distance) x 8 = 5765.6 mkm (Uranus orbital diameter)

Mercury moves during its day period (4222.6 hours) a distance = 720.7 mkm = Mercury Jupiter Distance

During 8 Mercury days – Mercury moves a distance = 2 x 2872.5 mkm (Uranus orbital diameter) – why this is specific and useful at any case?

Saturn orbital distance = 2 x Mercury Jupiter distance

And

Uranus orbital distance = 2 x Saturn orbital distance

That explains how 8 days produces a distance = Uranus orbital diameter = 5745 mkm

Why we need Uranus orbital diameter 5745 mkm and for what reason?

For 2 reasons

- (1) Because the orbital diameter shows the full revolution (180 degrees) and that means a complete revolution around the sun

The most important reason is

- (2)  $90000\text{mkm} = \pi^3 \times 2872.5 \text{ mkm}$  (Uranus Orbital Distance)

The previous equation is the most important one in the solar system – the value  $90000\text{mkm} = c^2$  if the light motion will be done in 1 second –

Also  $\pi^3$  is the rate between Uranus axial tilt and Jupiter axial tilt which should be considered the most important rate in the solar system

That means – Uranus orbital distance is the first space created from the energy  $c^2$

And based on this distance the solar system is created

We may remember that

- (a) The Solar System Is A Train Move With Its Carriages Together On Unified Motion – the planets move together a distance = 1433.5 mkm = Saturn orbital distance per solar day
- (b) But the solar system building needs 2 days of the planets motions and that means the solar system building needs a distance = 2872.5 mkm = Uranus orbital distance

### **Please review**

Mercury Motion During Its Day = Mercury Jupiter Distance. (Why?)

<https://vixra.org/abs/2002.0387>

**A summary of Data (Reference)**

(a)

$$1407.6 \text{ days} = 2\pi \times 224.7 \text{ days}$$

(b)

$$243 \text{ days} = (\pi+1) \times 58.66 \text{ days}$$

(c)

$$116.7 \text{ days} = 2 \times 58.66 \text{ days}$$

(d)

$$5832.5 \text{ mkm} = 2\pi \times 927.8 \text{ mkm} \text{ (Earth Jupiter distance } 778.6 \text{ mkm}+149.6\text{mkm)}$$

$$5832.5 \text{ mkm} = 2.082 \times 2802 = 24.6 \times 237 = 590 \times 9.9 = 550.7 \times 10.7 = 153.3 \times 2 \times 19$$

(e)

$$2802 \text{ mkm} = 3 \times 927.8 \text{ mkm} \quad (\text{error } 0.6\%)$$

$$2802 \text{ mkm} = 550.7 \text{ mkm} \times 5.088 \text{ (} 4.38 \times 1.16 = 5.088 \text{)} \text{ but } 4.38 \times 1.392 = 6.16 \times 0.99$$

$$2802 \text{ deg} = 24.7 \times 113.4 \text{ degrees}$$

(f)

$$3.4 \times 8 = 27.2$$