

Twitter Thread by



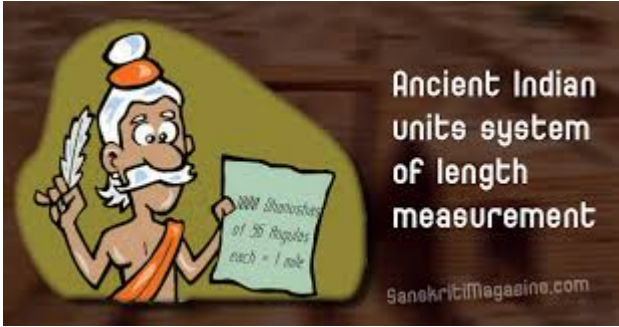


@hathyogi31

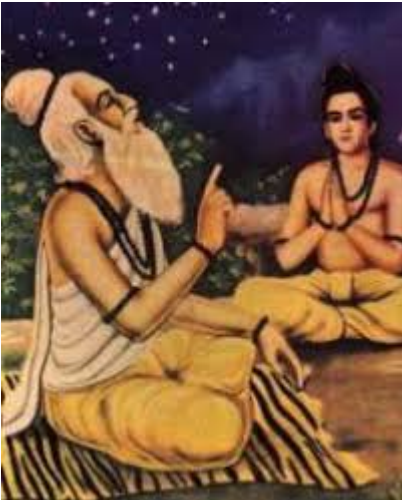


#Thread on speed of light in terms of vedic measurement.

Galileo Galilee was among the first to try to measure the speed of light in the early 17th century. Today we know that the exact speed of light is defined as 29,97,92,458 metres per second (approximately 186000 mi/s).



But, when it comes to Indian prospect, there are many references about the speed of light much before the 17th century. The speed of light is not directly from the Rigveda Samhita but It is given by a great Indian scholar S■ya■c■rya, popularly known as Sayana.



Sayana was a sanskrit scholar under king Bukka Raya I and Harihara II of Vijaynagar empire in 14th century. His commentary on vedas are very famous and was translated from Sanskrit to English by Max Müller, himself.



RigVeda verse 1.50.4-




Swift and all beautiful art thou, O Surya, maker of the light, Illuming all the radiant realm.

As it talks about maker of light. Commentary of Sayana in this verse is as:



It is remembered, [O Sun] bow to you, you who traverse 2,202 yojanas in half a nimesha.
Here it is talking about speed of Sun.

Speed of light



"Salutations to the sun, the traveler of 2202 Yojanas in half a Nimisha"
Rig Veda Sukhita 1. 50. 4

The speed of light, according to the Vedas:
185,016,169 miles/second

Modern Value: 186,282,197 miles/second, by Klaus Roemer, a Danish Astronomer in 1676. Until this time, even great scientists like Newton assumed speed of light to be infinity.

But as it is in the commentary of verse containing maker of light, it is taken as speed of light.

The Moksha dharma parva of Shanti Parva in Mahabharata describes Nimisha as follows:

15 Nimisha = 1 Kashtra

30 Kashta = 1 Kala

30.3 Kala = 1 Muhurta



30 Muhurtas = 1 Diva-Ratri (Day-Night)

We know Day-Night is 24 hours

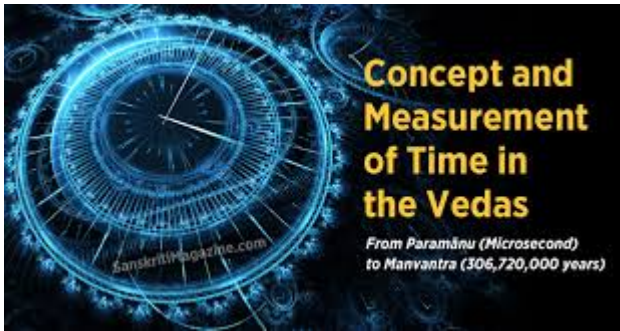
So we get 24 hours = $30 \times 30.3 \times 30 \times 15$ nimisha

in other words 409050 nimisha

We know 1 hour = $60 \times 60 = 3600$ seconds

So 24 hours = 24×3600 seconds = 409050 nimisha

409050 nimesa = 86,400 seconds



1 nimesa = 0.2112 second (This is a recursive decimal! Wink of an eye=.2112 seconds!)

1/2 nimesa = 0.1056 seconds

Yojana is defined in Chapter 6 of Book 1 of the "Vishnu Purana" as follows

10 ParamAnus = 1 Parasúkshma

10 Parasúkshmas = 1 Trasarenu



- 10 Trasarenius = 1 Mahírajas (particle of dust)
- 10 Mahírajas= 1 Bálágra (hair's point)
- 10 Bálágra = 1 Likhsha
- 10 Likhsha= 1 Yuka
- 10 Yukas = 1 Yavodara (heart of barley)
- 10 Yavodaras = 1 Yava (barley grain of middle size)
- 10 Yava = 1 Angula (1.89 cm or approx 3/4 inch)

