Twitter Thread by Bharadwaj



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This is nothing but THEFT and appropriation of Indian Heritage.

While this might look very trivial at the outset, this is a very major cultural appropriation.

This threads explains the Golden ratio, its history and its modern appropriation

[Thread]

> Golden Ratio, Bedrock of Swiss Design, May Have First Emerged in Africa @audreygbennett writeshttps://t.co/bznfZedbFf via @thewire_in
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> — Siddharth (@svaradarajan) March 17, 2021

What is Golden ratio?

In mathematics, two quantities are in the golden ratio if their ratio is the same as the ratio of their sum to the larger of the two quantities.

If two numbers be designated by a and b (a>b>0), then they are aid to be in Golden ratio if a/b=(a+b)/a

Thus, Golden Ratio is solution to quadratic x2-x-1=0(assuming a to be x and b to be 1 in the same ratio).
This approximates to 1.618033.
Since in a Fibonacci series every number(except first & second) is sum of the previous two, golden ratio approximates ratio of larger/smaller

How is Golden ratio important?

Golden nature is everywhere in the nature. Infact, Golden ratio is called Divine proportion.

According to latest research, universe is governed by Golden ratio.

Universe has a golden ratio that keeps everything in order.

https://t.co/pHqMipG69w

Infact, the Golden ratio of Fibonacci series can be seen everywhere around us in the universe.

The petals of a flower and seed heads follow a Fibonacci series where each consecutive cycle is in golden ratio with the previous one

The Fibonacci series and its Golden ratio can be seen in the tree branches and shells

It can be seen in hurricanes and reproductive organs

It can be seen in human body including face and fingers.

It could be seen everywhere in the universe and in fact all the galaxies follow Fibonnacci sequence and have a golden ratio which keeps the universe in order

Thus, Fibonacci series & its Golden Ratio is one of the most important discoveries in the history of mankind.

Who discovered it first?

Fibonacci series was not discovered by ancient Greeks and Westerners. It does not appear in European before Leonardo Fibonacci (13th century)

Now, many Propogandists from all over the world are suggesting that Fibonacci took his Golden Series from Africa just because he lived in a trading port on the North African coast in his childhood.

Is this true? Let us examine the facts.

https://t.co/3qRlGLInD4

What the propagandists say: Fibonacci lived in Africa.

What they don't say: Fibonacci lived in a colony of INDIAN merchants in North Africa. There were hardly any African residents except probably a handful of slaves.

Let us see what Fibonacci himself says in his own book

In the introduction to his book, Fibonacci (c. 13th century CE) makes the following revelations 1) "I am the son of an official working in Bugia, Algeria". 2) There was a colony of Indian Merchants in that city. 3) "It was there that I was introduced to Indian Mathematics".

Fibonacci further says- " I loved Indian Mathematics to such an extent above all others that I completely devoted myself to it".

"I was also introduced to Greek, Arabic & Egyptian Math" .

"But I found ALL of them,EVEN Pythagoras, to be erroneous compared to Indian Mathematics"

Fibonacci further says: "For this reason, basing my book COMPLETELY on Indian methods and applying myself with greatest attention to it, but not without adding something of my own thought, I forced myself to compose this book.

I demonstrated everything with proof"

Finally, Fibonacci says:

" In my book, I have published the doctrine of Mathematics completely according to the Method of Indians.

I have COMPLETELY adopted the (Mathematical) Method of Indians because it is the MOST effective"

Thus, in his book, Fibonacci does NOT refer to #Fibonacci Series as "Fibonacci Series".

Rather, he simply calls it "Indian Series".

Unlike many other Europeans, Fibonacci was NOT a plagiarist. He clearly mentioned his source and acknowledged his credit to ancient Indians.

Fibonacci's introduction makes it clear that he considered himself "Indian Mathematician" insomuch as he adhered to Indian Mathematical Methodology and contributed to it.

The real name of the so called "Fibonacci Series" is "Indian Series".

This comes from the horse's mouth !

So far as the so called "Fibonacci Series" is concerned, Fibonacci was only TRANSLATING the Sutras of Pingala (c.3rd century CE) and his commentator Virahanka who derived "Fibonacci Series" several hundreds of years before Fibonacci was even born

I was very shocked reading Fibonacci's introduction. Why are these facts kept concealed? A more important question. Why should it be called 'Fibonacci series' when Fibonacci himself does not claim to have discovered it and simply acknowledges Indian Mathematics as his source?

The precepts of Pythagoras and Euclid were forgotten in early middle ages and revived only later. Yet, the credit always goes to Pythagoras and Euclid. Never to the later day Mathematicians who revived their works. Why is Pingala never extended the same courtesy? I wonder why!

Fibonacci was NOT a European Mathematician, except by flesh and blood. He explicitly rejected the European methodology of Mathematics.

He denounced even the path of Pythagoras as "erroneous".

He followed footsteps of exemplary Vaidika Mathematicians like Pingala and Virahanka

Fibonacci does not describe his book as "European Mathematics".

He explicitly describes his book as " treatise on Indian Mathematical methods".

As such, it is hard to even consider him a "European Mathematician".

He followed the footsteps of Vaidika Sanskritic Mathematicians