

The Universe “zero and infinite”

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Abstract

The work is based on the assumptions about the size and contents of our Cosmos concerning the logic of Universe.

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What is the world around us made of?
Where it ends or where it begins?

The question seems as strange as can be but no one knows the answer of them. Physicist have different justification at different stages but no one exactly knows the answer of such questions. Only the mathematical justification can illustrate such things if we aim the limitation of our scope of investigation (observation). The smallest thing (coordinates namely space and time) in the Universe can be as small as desired or can be as big as it can be. If the smallest element in nature is zero and if we assume that the nature itself contains infinite of elements then the domain of the nature is finite, as

$$0 \times \infty \rightarrow \textit{finite}$$

And if we assume that the domain of nature is infinite and it contains infinite of elements then an element (smallest) can not be zero, as

$$\frac{\infty}{\infty} \rightarrow \textit{finite}$$

And it can not be possible that the smallest element in nature is zero and nature contains finite elements because it is here where nature diminishes. And if

we assume that the domain of nature is infinite and nature contains finite elements then it violates the assumption (namely how can the smallest element be infinite).

And now if we assume that the smallest element in nature is finite and nature contains infinite of elements then we come to the conclusion that the domain of Universe is infinite, as

$$finite \times \infty \rightarrow \infty$$

Now we come to the assumption; The smallest element in nature is finite and the nature contains finite elements then we come to the conclusion that the domain of the Universe is finite, as

$$finite \times finite \rightarrow finite$$

which is the Saurav theory of finite logic.

Now we have many assumptions having their own valid conclusions. Which assumption is closer to the truth? We might have the list of valid conclusions.

Conclusions

“ If the smallest element in nature is zero and nature contains infinite of the elements then the domain of the nature is finite. ”

“ If the smallest element in nature is finite and nature contains infinite of elements then the domain of the nature is infinite. ”

“ If the smallest element in nature is finite and nature contains finite elements then the domain of the nature is finite. ”

Now we have three valid assumptions (conclusions) about the very validity of nature. Two of them have the same justification; “The domain of the Universe is finite.”

How can we believe such assumptions about the very validity of our Cosmos. Only the mathematical justification have leaved in peace. Not only the mathematics of our understanding of nature is invalid to describe such theology? Then we will have to produce the mathematical logic of theology to understand the very stability of nature.