

# The mysterious blasting in space-time; Quantization of time

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## **Abstract**

The work is based on the assumption of the feature of quantum nature of time.

**Keywords:** Quantization; Space-time.

I am presenting a logic of such a blasting in space and time which is quite different from the blasting in mass as *Big Bang*. Such a blasting vibrates the *space-time net* and a particle in such vibrating space-time can reach in its past or future with respect to other particles far from the vibration.

So I concluded that we are going in future (the time steadily goes up) with a continuous rate because of such a blasting in nature which happens continually and we do not know where such blastings occurs and what is the nature of such blastings.

And I came to realize that because of the discreteness of vibration the sequence of blastings may be discrete.

I have only one justification; Time does not move monotonically. It is a discrete phenomena. And just like the quantum understanding of nature time may have its smallest possible value that can freely occur in nature. And I reached to the smallest possible moment of time that can freely occur in nature which is the quantum of time. This is like the quantum theory that of the quantum theory of space-time.

**Hypothesis:** *The time does not move monotonically. It occurs in some discrete leaps. Such leaps are as small as possible. Such an individual leap of time is called the quantum of time. And the time passing in nature is the multitude of moment quantum.*

Suppose this moment quantum is

$\Phi$  Having some definite values.

Then the time being passed in nature is measured as,

$$T = n\Phi \quad \forall n = (1,2,3,\dots,\infty)$$

where  $T$  is the time passed and  $\Phi$  is the moment quantum and  $n$  is a positive integer.

It may be called the quantization of time.