

## **THE PHYSICS AND PHILOSOPHY BEHIND TIME.**

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**We are immersed in time but do not know what is time. Einstein prescribed time as a personal illusion varying with the speed of frame and gravity .**

**Newton was not exactly correct in assuming time as absolute and natural flow.**

**But are we sure what we actually mean by time. Relativists will say that look at GPS time correction and the effect of time dilation.**

**If we ask whether time is fundamental or emergent , then there will be a pause. Einstein taught us space –time as four dimension arena where events take place and our observation mostly agree with relativistic approach.**

**But I think there are two concepts of time and all confusions due to our misunderstanding.**

**Any object has mass and weight. Here the same phenomena is giving two concepts and we know mass will not differ but weight may be different place to place. Our spring balance in moon and earth will give two values for the same object. If I say that similarly time recording changes from earth to satellite because of change in local effects on the same synchronized atomic clocks on earth. Therefore time we see is measurement dilation of something which may be absolute but appears different in different places.**

**If we say that TIME is measuring the gap of two events and it flows only because of entropy gradient and consequent jumps. Then we have to explain it is continuous or discreet OR even fundamental or emergent ?**

**Philosophers may try to play safe by giving a smile saying illusion.**

**Are we sure that what we know time from Einstein is the real concept of time because it tally the measurements of our observation. This is a big disillusion . It is true that our whole universe is in total dynamism and there is no rest frame and as such we can not describe any motion, action, time, velocity etc etc emerging from the frame to qualify as ..ABSOLUTE. But why we will loose the concept of something absolute which may not be observable or recorded by measuring.**

**We can even say that space-time is doomed from absolute concept and only a mathematical trick to correct our observation records . Therefore let us not give very much importance to twin paradox or time travel etc .**

If we measure time –say 72 heart beats per minute on earth , then we can not say that 72 heart beats on top of Everest will be one minute. This is as simple as that explaining measurement dilation.

Time is FUNDAMENTAL and not EMERGENT. Time is obeying Plancks quantum jumps in entropical march as snap shots dictated by the local information or variables—be it speed of reference frame , gravity or even entropical pressure gradient controlling the march or flow or it may even stop which will imply TIME STOPPED if causal dictates but UNCERTAINTY PRICIPLE will not allow that Time will tend to ZERO but never zero. SO TIME HAS NO BEGING OR END .