

Principle of changing “Time Dilation” theory in to the theory of “Law of Speed Dilation”

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Abstract:

Theoretical and mathematical expression of TIME DILATION:

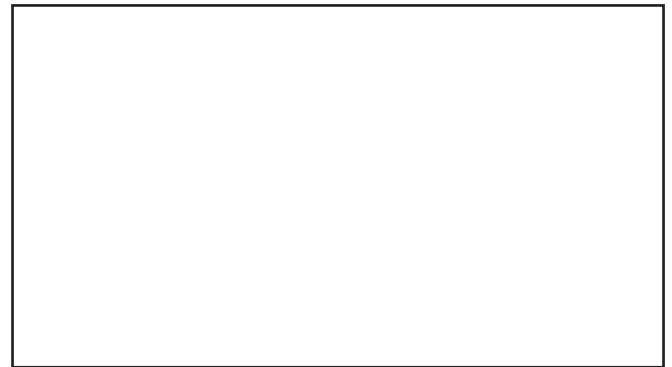
The measurement of Time depends on the motion of the observer or even that is being observed. The clock moving with respect to an observer appears to tick less rapidly than when it is at rest with respect to him. A clock moving with respect to an observer gives less time than the same clock at rest with that observer.

Suppose an observer in space ship measures the time interval t_0 between two events, which occur at the space ship and an observer on the earth measures this time interval

as t . It is found that the time interval is longer than the time interval t_0 . Here the time interval t_0 which the time interval between two events which occur in the reference frame of the observer at the same place is called proper time of occurrence of the two events. To the observer on the earth it appeared that the starting and ending of the time interval occurs in to two places as a result the interval seems to be longer than actual time which is called as TIME DILATION.

For any moving body; v/c is always less than 1 so, t is always greater than t_0 and the equation is expressed the TIME Dilation. Now let's take an example suppose that relative velocity is $v=0.98$. Then after putting all values in the above equation we will get the value of $t=5t_0$. which means time will move 5 times faster than the time of moving object. Hence the person who is travelling at the speed of light will observe the slower time schedule than the person who is observing the time staying on the earth.

Actually TIME is mentioned as we see in the clock. But no clock can show us the unit or measurement of TIME the 4th dimension. One whole round on own axis of the earth is counted as one day. One day is divided in to 24 parts known as hour. One hour is divided in to 60 parts known as minute and minute is divided in second, micro second etc. One whole movement of the earth around the sun is known as year. So, basically what we are watching and counting on any clock in the earth rotation speed either in table, wall, wrist or atomic. All these are nothing but the measurement of the earth rotation



around the sun. So, every hour, minute, second and ticking of clock is showing us the rotational speed of the earth.

So, one tick in clock on the earth means one rotational speed of the earth around the sun. And one tick of the clock which is going at the speed of light or any other speed out of the earth is the compression of the speed of the rotational speed of earth and the speed of the moving clock. Thus we are actually comparing two different speed. A faster speed than the rotation of the earth and another is - speed of rotation of the earth's rotation. So, Time dilation theory should be changed in to speed dilation. As below:

Biography:

SahriarAhamed, is an individual researcher. And doing research by personal fund without affiliation to any institute for more than 8 years, having 2 books and many theories published around the world in different international journal. Currently living in Khulna, Bangladesh with family and related with social service, research and education

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