

Theory of Cause of Time

K M Sanid*

Department of Astrophysics and Aerospace Technology, University of Delhi, Delhi, India

Introduction

Time is still an unknown fact to human, but we use time to define every motion and to describe objects. The time is connected with gravity, as the gravity increase the time starts to dilate in space and also we know that as the speed of an object increase the time starts to move slower. The light has the maximum speed in the space.

So take Light-Space-Time-and Gravity into a single frame, as we all know that the light travels 3×10^8 meter per second. So light have the maximum speed and no other object can travel in the speed of light. But how about the space, what happen when some object travel at the speed of light? The space has an elastic property, i.e., when a star is placed on a space, the space get stretched according to the weight and density of the star and the weight contribute to the gravity of that star.

Description

Now we are just making some rearrangements in the above writings by turning the movement of light through space cause the time to experience. Which means whenever the light complete its distance of 3 lakh KM through space it causes the formation of one second, or in other words we can say that the distance travelled by light in one second is called the length of 3 lakh KM. Here the light must complete a particular distance to make a specific time period. This particular distance will be changed according to space elasticity and this elasticity is controlled by the gravity. So this is how the gravity can control the time and dilate it. The gravity is directly proportional to duration of time and enlargement of space.

When a star is places on empty space the star stretches the space to stand comfortably in the space. While stretching the space the surface area of the space is increased, so when a light passes through that particular space it need to travel a longer distance than empty space so light travel further more to complete a second and thus the time gets dilated. For example, a thick letter printed on a empty balloon have small size but when the balloon is filled with air the balloon enlarges and the letter in it also enlarge its size. Here the balloon is space and letter is compared to a star, Drawing a line on empty balloon cover smaller distance than that of drawing a line on balloon with air, the drawing line can be compared to a light ray.

Dr. Einstein once said that the light always have a constant speed in space, so the speed of light does not change and we knew that the gravity dilates the time, here we can conclude that by making the speed of light constant it travel more distance through space by taking more time duration and complete a 3lakh KM. Here in both case of empty space and space with star have equal time and distance but the space is different. The theory actually try to explain is the cause of time, whenever the light travels a particular distance of 3 lakh KM in a particular space it causes the formation of a second.

Imagine that a space starts to stretch obviously the particles or stars inside that space will definitely increase its surface area but this phenomenon cannot be experienced by a person inside the space because he also enlarge with the whole space. This is clearly observable for one who is watching from outside our space.

The black holes experience high gravitational field, it is capable to bent a light ray. When a star approaches a black hole its size get increased due to high gravitational field in space (observable from outside the space). The people believe that time is the 4th dimension in the world but actually the time is controlled by gravity and space where the time exists. So we can conclude that the time-space-gravity together forms the 4th dimension.

Conclusion

Still we don't have a clear image of time. Just think what causes the time? It's just the light causes the time to happen, where the light can exist there the time will exist and the time always move forward as the light moves in forward direction. The gravity can bend the light and the same gravity can dilate the time. So the time can be constant where the place light cannot exist. Here we can create a clear stand about the time travel, time travel is not possible. Only time dilation is possible due to gravitational difference. The process like traveling to our own future or past to visit the past or future world is impossible. So the paradoxes like grandfather paradox and bootstrap paradox have no more existence.

How to cite this article: Sanid K M. "Theory of Cause of Time." *J Astrophys Aerospace Technol* 9 (2021) : 30412

*Address to correspondence: Dr K M Sanid, Department of Astrophysics and Aerospace Technology, University of Delhi, Delhi, India, Tel: 9946962888; E-mail: sanidkm1999@gmail.com

Copyright: © 2021 Sanid K M. This is an open-access article distributed under the terms of the creative commons attribution license which permits unrestricted use, distribution and reproduction in any medium, provided the original author and source are credited.

Received: 15 Septembet, 2021; **Accepted:** 29 September, 2021; **Published:** 6 October, 2021.