

A Possible Way of Time Traveling to the Past

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If time is finite and unbounded, a possible way to time travel to the past is by going very far into the future.

We only need two things in order to time travel to the past. One thing we need is that time is finite and unbounded. And there is a very good possibility that that is the case. The other thing we need is we can make a rocket or other vehicle that is capable of getting as close to the speed of light in a vacuum as we want without necessarily reaching the speed of light.

If time is infinite, then my method of time traveling to the past will not work.

Think of time as being the two-dimensional surface area of a sphere or like the surface area of a globe. You can think of the direction on the globe in the east as being analogous to the direction to reach the future. The direction in the west is analogous to the direction to reach the past. Presently, we have no theoretical method to time travel to the past, by going in the opposite direction of the natural direction of the passage of time.

With my method you can time travel to the past by going far into the future. This is analogous to staying on the equator and traveling in an easterly direction for a long enough time until you complete a revolution of the globe. This is one way of getting to the west (the past) by traveling far enough to the east (the future). This is just like traveling far into the future until you reach the past, if time is finite and unbounded like the two dimensional surface area of a sphere or globe.

In this case, by staying on the equator, there are two possible ways to reach the past if time is finite and unbounded and time is like the two-dimensional surface area of a globe. And also you must stay on the equator when you are time traveling to the past. The first way to time travel to the past is by going in an easterly direction around the globe where you must stay on the equator and keep going until you reach a point in time just before you reach the point in time where you started from, which is the past. The second way to time travel to the past is by going in a westerly direction in time, which is going in

a direction that is against the normal direction of time passage. That is going to be a hard thing to figure out how to do.

Also, if you can make a rocket or other vehicle that can get as close to the speed of light in a vacuum as we want without necessarily reaching the speed of light, then we can stop off at a point far in the future where the technology has a more efficient or better way to time travel to the past, for example, like time traveling directly backward in time against the normal direction of time passage.

Time travel into the future is elementary. It does not depend on time being finite and unbounded or infinite. Either way, you can time travel into the future. Anyone that is familiar with Einstein's special theory of relativity knows that "moving clocks run slow" compared to "stationary clocks." If you want to time travel to thousands of years into the future of the earth, you can do it by taking a rocket, or other vehicle, to a velocity close to the velocity of light (in a vacuum) to and from a distant star. And when you come back from the journey, you have time traveled into the future. That is, for example, the journey in the rocket to and from the distant star took maybe two years from the rocket's point of view but a couple of thousands of years have passed from the point of view of the earth.

Another way of looking at this situation is by using the circular face of a clock. Think of the circle that coincides with the circumference of the clock as being time. In this case, time is finite and unbounded in one dimension. Think of the number 12 on the face of the clock as being the point on the circle that represents the present time. The direction of time passage is the clockwise direction. The number 9 is the point on the circle that represents an event in the past. There are two ways of reaching the point 9, which represents an event in the past on the circle. One way of reaching point 9 is by going counter-clockwise in the opposite direction of the natural direction of time passage and reaching the number 9. Presently, we have no idea or concept on how we can travel against the natural direction of time passage. The other way we can time travel to reach the point at the number 9 is by going in the natural direction of time passage far into the future until we reach the point at number 9 on the circle of time. That is, we would travel clockwise from the point of number 12, which is the present time, until we reach the past event at point 9 on the circle of time.

But then, you might say that the number 9 on the circle of time is really in the future with respect to the present time location at the point 12 on the circle of time. This is true. The point at number 9 is both in the future and the past with respect to the present time located at the number 12 on the circle of time. All the other points or events located on the circle of time are both in the past and future of the present time located at the point (event) 12 on the circle of time.

So you can see any event on the circle of time, in the future or the past, can be reached by traveling short enough or far enough into the future until it is reached. This is

true for all present events on the circle of time other than the present time event located at 12 on the circle of time. For example, the events at points 1, 2, 3, 4, 5, and 6, to just name a few, can also be the present event or point.

The present event can be located on any point or event on the circle of time. With respect to any present event located on the circle of time, any other event in the past or future of these present events can be reached by time traveling into the future of these present events.

Thus, time travel to the past does not have to consist only of time traveling against the natural direction of time passage to reach the past. In other words, that is not the only way you can time travel to the past. So, you can time travel to the past by time traveling to the future.

Therefore, a rocket or other vehicle that can travel as close to the speed of light as you want without necessarily reaching the speed of light is a time machine because it can time travel to the future and it can time travel to the past.