

Theory of Extensive Relativity

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Abstract

This article is about the Scientific concepts of Special Relativity. Whenever we hear the theory of relativity the concepts like time dilation(time travel), space-time starts coming in our mind. Einstein's theory of special relativity says that time slows down or speeds up depending on how fast you move relative to something else. Approaching the speed of light, a person inside a spaceship would age much slower than his twin at home. Also, under Einstein's theory of general relativity, gravity can bend time. strange question Can we reach at speed of light? There is no invention till now by which we can reach the speed of light because that will require huge amounts of energy. You might imagine that you just need to increase the energy applied in order to reach the required speed of 300,000km/s, I think the advanced civilizations on kardashev scale can easily reach this cosmic limit or even cross it. There are three levels of civilizations according to kardashev scale and humans have not become until the level one. In this article I have theoretically proven that it is possible to reach at speed of light. Any object traveling at speed of light will experience slow time passing. For example Einstein's twin paradox in which one of the twin stays at earth and other twin sent to space at speed of light both aged 15. After she came back from space . she was 20 but other twin turned 65 . I want to prove theoretically that we can travel at speed of light and time passes slower at reaching or exceeding that cosmic limit.

Keywords : Special Relativity , Twin Paradox , Gravitational Slingshot, Cosmic limit

Introduction

In 1905, Albert Einstein published his life's biggest work on special theory of special relativity. It has completely changed the notion of space and time. He claimed if an object reaches the speed of light its mass become infinite unable to travel at speed of light and to do this we need huge amounts of energy. It is not considered as a theory as it includes many mathematical equations and Physicists still trying to solve this problem. Keeping in mind the Einstein's theory of special relativity I have developed a method by which we can solve/prove the theory of special relativity's problem and explore universe beyond our limits and imagination. I have also no experimental proof of this like String theory and cosmic limit. I have theoretically explained and prove how to reach at Light speed and even how to do Time dilation. Use your imagination to understand it better . According to my theory if a spacecraft will use earth's, Venus's, Mercury's, Sun's and black hole V616's gravity to increase acceleration then the acceleration will be less or greater than speed of light.

This could be better understand by given Formula

$(KE)^2 + \text{acceleration due to gravitational slingshot} + \text{acceleration of spacecraft}(\text{escape velocity}) \gg \text{speed of light}$.

$[1/2mv^2] + \text{acceleration due to gravitational assist}(\text{slingshot 1}) + \text{acceleration due to gravitational assist}(\text{Slingshot 2}) + \text{acceleration due to gravitational assist}(\text{slingshot 3}) + \text{acceleration due to gravitational assist}(\text{slingshot 4}) + \text{acceleration due to gravitational assist}(\text{slingshot 5}) \ll \text{speed of light}$.

Here due to acceleration due to Gravitational assist(Slingshot) is denoted by G

$[0.5 * 2030000 \text{kg} * 7.777784^2]^2 + G1 + G2 + G3 + G4 + G5 \ll \text{speed of light}$

Mass m of spacecraft = 2030000kg

Velocity v = 7.777784km/s

Acceleration due to gravitational slingshot of earth = 11.2km/s

Acceleration due to gravitational slingshot of Venus = 10.36km/s

Acceleration due to gravitational slingshot of Mercury = 4.25km/s

Acceleration due to gravitational slingshot of Sun = 11.99km/s

Acceleration due to gravitational slingshot of Black hole V616 = 10791km/s

Sun is 109 times bigger than earth acceleration increased due to gravitational slingshot around earth is 11km/s then acceleration that will increase after the gravitational slingshot around sun $109 * 11 = 1199 \text{km/s}$

Black hole V616 is 3000 light years from earth is 9_{-13} times bigger than the sun acceleration due to gravitational slingshot around V616 will be equal to $1199 \text{km/s} * 9/10/11/12/13$.

Putting these values in equations we get:

$[0.5 * 2030000 * 7.777784^2]^2 (11.2) + (10.36) + (4.25) + (1199) + (10791) \ll 300000 \text{m/s}$

$[0.25 * 4.12 \text{E}12 * 3659.514835] + 1201.61 \ll 300000 \text{m/s}$

$3.7693002 \text{E}15 \ll 300000 \text{m/s}$

$\text{E}15 = 10 * 10 * 10 * 10 * 10 * 10 * 10$

3769300200000000>300000m/s

By dividing 376300200000000 by 300000 we get 125643340000. It means speed of light is 125643340000 times smaller than 3769300200000000.

Conclusion

It is possible to reach at speed of light firstly the spacecraft will rotate around the earth's diameter which is 12742 km. Speed of spacecraft will be 7.77774km/s at this, first round the earth will increase by 11.2km/s after 27.30426387 minutes and the speed of spacecraft will be 18.777784km/s at this spacecraft will take 11.3094637 minutes to complete the another round in way the speed will keep on increasing and reach beyond the speed of light.

Note The value will be equal only in special cases if we will calculate the value of mass and velocity such that after adding constant values to it will come exact value of speed of light But in normal cases the will not. This is the reason I used less or greater (<>) instead of _> and <_ sign.

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