

Refuting Special relativity by general relativity

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Abstract

In this paper I'll propose a thought experiment proving that special relativity of Einstein is impossible to be applied in physics and the Einstein view point of simultaneity is wrong physically, and the synchronization of clocks is impossible even if the train is stationary by using the general relativity.

The thought experiment:

Suppose a stationary train of rest mass m_0 and $v=0$. According to the gravitational field of the rest mass of the stationary train, how can physicists synchronize clocks at $t'=0, x=0$ and $t=0$ and $x=0$ if we want to consider in this case general relativity!? Also according to special relativity the speed of light must be constant in vacuum and according to special relativity vacuum is empty space. According to General relativity the speed of light is not constant according to Schwarzschild geometry, and that in violation with the constancy of the speed of light in special relativity. In this case in order to apply SRT in case of the moving train the rest mass of the moving train must be equal to zero in order to get an empty space.

So the question here is how can I apply Special relativity of Einstein physically if I want to consider the rest mass of the moving train according to general relativity!?

Conclusion

According to general relativity of Einstein, there is no way to apply the special relativity of Einstein physically even in case of the rest train.