

## Re: The real twin paradox.

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*Source:* <http://sci.tech-archive.net/Archive/sci.physics.relativity/2007-11/msg01418.html>

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- *From:* "Sue..." <[suzysewnshow@xxxxxxxxxxxxx](mailto:suzysewnshow@xxxxxxxxxxxxx)>
  - *Date:* Wed, 21 Nov 2007 13:48:53 -0800 (PST)
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On Nov 21, 1:29 pm, bz <[bz+...@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:bz+...@xxxxxxxxxxxxxxxxxxxxxxxx)> wrote:

"Sue..." <[suzysewns...@xxxxxxxxxxxxx](mailto:suzysewns...@xxxxxxxxxxxxx)> wrote  
[innews:a99fa604-6121-47d8-96a8-90c3c19d2e8d@xx](mailto:innews:a99fa604-6121-47d8-96a8-90c3c19d2e8d@xx):

normal clocks that are not responsive to motion  
through a dielectric shouldn't change rate.

I tried to buy a 'normal clock' at the clock store but they told me they are no longer made. They used to be made in Newton's days, but now EVERYTHING that is made of charged particles responds to motion through space, which is a dielectric medium. Maxwell managed to change the laws of physics with his equations.

Did you try to buy a light-clock specifically designed to respond to motion through media? If the clock store had one I think you would find most of the clocks you have are "normal" when you blow hydrogen gas at a significant fraction of  $c$  toward or past their cases.

The gas moving between the light-clock's mirrors will cause it to slow however.

And the neutronium clocks are too heavy to carry around.

So, let me borrow your 'normal clock' pleeeeze. I will gladly return it just as soon as my twin brings it back from his trip to the Andromeda Galaxy.

"normal" clocks are usually inertial mechanisms. Are you disputing this statement with your suggestion that a light-clock should behave the same way as an inertial clock ?

Re: The real twin paradox.

<<A Lorentz transformation or any other coordinate transformation will convert electric or magnetic fields into mixtures of electric and magnetic fields, but no transformation mixes them with the gravitational field. >>

<http://www.aip.org/pt/vol-58/iss-11/p31.html>

If you can, then you will be demonstrating that General Relativity is unnecessary and you'll have some evidence of an inertial ether to support your argument.

And the neutronium clocks are too heavy to carry around.

So, let me borrow your 'normal clock' pleeeeee. I will gladly return it just as soon as my twin brings it back from his trip to the Andromeda Galaxy.

I'll trade you a normal clock for a light-clock. You might get a good deal on this one but you'll have to supply your own launch vehicle and figure out how to expose it to moving ism.

<http://funphysics.jpl.nasa.gov/technical/grp/sumo.html>

Sue...

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bz

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