

# Re: The real paradoxes in SR.

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- *From:* "Jeckyl" <noone@xxxxxxxxxxxx>
  - *Date:* Wed, 30 May 2007 15:47:38 +1000
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"Gerald L. O'Barr" <globarr@xxxxxxxx> wrote in message  
[news:1180499559.959406.68190@xx](mailto:news:1180499559.959406.68190@xx)

On May 29, 8:55 pm, "Jeckyl" <n...@xxxxxxxxxxxx> wrote:

"Gerald L. O'Barr" <globarr...@xxxxxxxx> wrote in  
message [news:1180496811.980563.21480@xx](mailto:news:1180496811.980563.21480@xx)

On May 29, 5:22 pm, "Jeckyl" <n...@xxxxxxxxxxxx> wrote:

...

<deletes by O'Barr>

Jeckyl" <n...@xxxxxxxxxxxx> wrote:

So what you THINK is physically  
impossible  
obviosuly isn't.

O'Barr comments:  
So if you really believe that a clock can really  
be going both faster and slower than another clock,

From different inertial frames of reference .. yes.  
That is what observers  
would see. Someone moving with the clock would not  
see any difference.

O'Barr comments:

Re: The real paradoxes in SR.

Yes, from different reference frames you might see and or measure almost anything. But if you saw in one frame where a digital clock was going backwards, and the other frame saw that the same clock was going forward, what would you think?

That I was in a different frame of reference (and why would it go backwards ...it only goes slower, not in the opposite direction)

You see, we are not questioning what is measured! But intelligent beings must be able to understand that if what is being measured by both frames are not supportable then something has to give.

Why?

A real physical object cannot be doing just any two things at once.

But that is what can be observed. It is your insistence that what is observed as two different things from two different frames of reference needs to be physically made the same that causes your confusion.

In any absolute sense, a physical thing can only be doing one thing at any one time, it cannot be going both forward and backwards at the same time. It cannot also be going both slower and faster than the same clock.

But it can be observed to be

If you do get a set of measurements that are not possible, then something is wrong with the measurements. We surely cannot disagree on this.

Of course we disagree. You cannot see that things can be observed as being different. That's your problem.

Re: The real paradoxes in SR.

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In the twin paradox, yes, it is easy to see that in terms of measurements, you can have each clock being measured to be slower than the other. This is easy. But as a point of physical fact, such an act cannot really be physically true.

But it is . . . the twin ages slower

And SR math confirms this. They really were not both going the same rates in reality, because only one ended up younger.

Yes .. they were. You need to do some reading on how the twin paradox occurs .. that it happens due to different acceleration and deceleration (ie changing frames of reference) between the two twins.

all at the same time, then we have no need to communicate. If you really believe that the same photon can go passed every moving frame there is, all with the same relative velocity, then again, we have no need to communicate. There really are limits to what we can think, and still be able to communicate.

Yes .. you are quite limited in what you are able to imagine. That's sad.

O'Barr comments:

No, that is not sad. That is what reality forces all thinking people to do. Not all things are possible in physical reality.

Your problem is that you think your own view of reality is all there can be.