

Re: I have a question about relativity so that I do not become another crackpot.

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- *From:* "N:dlzc D:aol T:com \(\dlzc\)" <dlzc1@xxxxxxx>
 - *Date:* Thu, 27 Mar 2008 06:13:47 -0700
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Dear oliveroyanadel:

<oliveroyanadel@xxxxxxxxxx> wrote in message
<news:bb973eee-2f97-4df9-a14b-08a606ddb655@xx>

I do not pretend to be a physicist but I've read a few books, and my mind is blown by this idea I had. I just don't know if this conclusion has been arrived at yet or not, but if it has, I'm sure it was Einstein who saw it first. But I just realized that with Newton's first law of motion (that an object will stay at rest or continue at a constant velocity unless acted upon by an external unbalanced force), that ever since the big bang, we ourselves and everything in the universe has got to be moving at the speed of light and has been this whole time simply because of the big bang.

The Big Bang was not an explosion in a pre-existing space. Great lumps of matter were not expelled from some central nucleus. We see light from distant objects that is so red shifted that using classical Doppler, they "must" be moving faster than c . Or at least the distance between us is growing faster than c .

You might want to read this series...

http://www.astro.ucla.edu/~wright/cosmo_01.htm

We do not observe this from an earthly reference frame because of Einstein's time dilation (time slows down for those approaching the speed of light), and that is why we are able to see the universe expand at such a slow rate.

No... were we moving faster than the $\sim 300\text{km/sec}$ observed, we

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would see stuff in the direction we were moving as very blue shifted, and happening faster than we see here.

And finally, like a fly that would travel faster than a speeding car simply by flying from the backseat to the front, we still observe light propagating through space at its normal speed from within our reference point.

.... or, light simply travels at one speed in a vacuum *locally*, no matter how fast someone else thinks you are moving.

That is why c (the velocity of light) is squared in the equations such as $E = mc^2$;

$E^2 = (pc)^2 + (mc^2)^2$
.... covers photons too, not just mass at rest.

because we are already moving through the void of space at the speed of light once, yet our actions propagate in space at the speed of light yet another time; so the velocity of light has to be brought to the power of two for its use in calculating the curvature of space-time in a gravitational field for instance.

Doesn't follow.

Am I the first person to come up with this idea?

Does it matter?

And if I am, shouldn't I get some kind of award or something for this?

There are idiot awards that are issued every month or so, but only for really annoying posters, and usually in newsgroups other than this one. Is that what you had in mind?

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See, questions or word pictures don't usually get awards. Theories that make quantitative predictions that could have been potentially experimentally falsified (but correctly described what was seen)... they get things like Nobel prizes and such.

Because I've read Relativity by Einstein as you can plainly see, and he did not say that we ourselves were already moving at the velocity of light, unless I've accidentally skipped a page. But I have not read much more on the subject either, as you can probably once again plainly see.

A lot has happened since ~1920. You might want to keep reading.

Let me know.

You form good mental pictures, now you just need more experience.

David A. Smith

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