Subject: Physics: Time Travel (Speed of Light)
Posted by TEKNIK on Sun, 23 Oct 2005 16:31:23 GMT
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Ok since the other thread had a few notes on this, why not have a thread. I still put forward my views on Time travel.

I do have one question though. As we KNOW, if we travel at the speed of light, our mass becomes infinate, so what does happen if we exceed the speed of light. Does the rate at which our mass increases, increase? We KNOW this because of Photons. As photons are light and they therefore, are what travel at the speed of light, they dont have an infinate mass, so when they are stationary, we say that they have a negligable (little to no) mass.

Common, dont be shy to post your views...

Subject: Re: Physics: Time Travel (Speed of Light)
Posted by Oblivion165 on Sun, 23 Oct 2005 16:33:35 GMT
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Are you stealing my KNOWS ?

And also this should be in the otehr thread, no need for a new one.

Subject: Re: Physics: Time Travel (Speed of Light)
Posted by TEKNIK on Sun, 23 Oct 2005 16:34:50 GMT
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Yes i am stealing your KNOW's, lol. I feel the Renegade Forums should have a Science area.. I love it.

Subject: Re: Physics: Time Travel (Speed of Light)
Posted by Gernader8 on Mon, 24 Oct 2005 02:44:57 GMT
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"It is impossible to travel faster than light, and certainly not desirable, as one's hat keeps blowing off" - Woody Allen

Subject: Re: Physics: Time Travel (Speed of Light)
Posted by sterps on Mon, 24 Oct 2005 05:37:48 GMT
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There are things that move faster than the speed of light.
EG: Spent fuel rods (nuclear) are kept underwater to await reprocessing. In the water they produce a blue glow, called Cerenkov radiation. The glow is produced by radioactive particles that travel through water faster than light. But this is compared to Light in the medium,(light travels slower in water than this radiation).

Subject: Re: Physics: Time Travel (Speed of Light)
Posted by ghost on Mon, 24 Oct 2005 05:52:12 GMT
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think of it like this...
Time Travel....not in our life time we will be dead and rotten by the time "they" ever come up with a a idea of this so called "Time Travel "

Subject: Re: Physics: Time Travel (Speed of Light)
Posted by TEKNIK on Mon, 24 Oct 2005 06:59:13 GMT
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sterps wrote on Mon, 24 October 2005 01:37There are things that move faster than the speed of light.
EG: Spent fuel rods (nuclear) are kept underwater to await reprocessing. In the water they produce a blue glow, called Cerenkov radiation. The glow is produced by radioactive particles that travel through water faster than light. But this is compared to Light in the medium,(light travels slower in water than this radiation).

So we do not know of its speed in a vaccum?

Subject: Re: Physics: Time Travel (Speed of Light)
Posted by Blazer on Mon, 24 Oct 2005 09:11:52 GMT
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I've never seen a stationary photon.

Subject: Re: Physics: Time Travel (Speed of Light)
Posted by Javaxcx on Mon, 24 Oct 2005 19:12:46 GMT
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Blazer wrote on Mon, 24 October 2005 05:11I've never seen a stationary photon.

Me either. Photons do not have masses regardless of their speed. They're merely little bundles of pure energy which exhibit a wave/particle duality because they defract, and also impart energy onto that which they collide with. As far as I'm aware, photons do one of the following; either they

obtain a 100% conservation of momentum, or they do not have momentum. If the latter, then they do not have a mass, if the former, they have an APPARENT mass.

The apparent mass is merely a means to an ends. When something travels at C in a vacuum, time dialation, and more importantly length dialection become infinite. Therefore, the photon also apparently has no volume (except that it does have one) relative to us. It should therefore also be EVERYWHERE in the universe at the same time as there is no time for it to determine velocity. It is because of the LACK of these observations that suggest that photons have no mass regardless of apparent momentum.
