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.