

# Re: change +c to -c and the Lorentz equations still work

**Source:** <http://sci.tech-archive.net/Archive/sci.physics.relativity/2004-09/2339.html>

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**From:** Bill Hobba (*bhobba\_at\_rubbish.net.au*)

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Date: Wed, 08 Sep 2004 21:18:43 GMT

"Robert B. Winn" <rbwinn3@juno.com> wrote in message  
news:a17e5e0e.0409080630.68924569@posting.google.com...  
> *Machine,*  
> *There is a reason why they still work. It has to do with the*  
> *term*  
> *( $t-vx/c^2$ ) in the equation for  $t'$ . You need to decide if  $x$  is going*  
> *to be  $ct$  or  $-ct$ . All you have here is a shortcut. If  $x$  is  $-ct$ , then*  
> *your equation says*  
> *( $t-v(-ct)/c^2$ ), which is  $t+vct/c^2$ . This is a different process than*  
> *the one you are using for a photon going in the  $+x$  direction where*  
>  *$x=ct$ , and ,as you might notice, a longer time.*  
> *The original expression is  $(t-vt/c)$  in which  $c$  is the velocity*  
> *of light, not the speed. Scientists changed it to  $(t-vx/c^2)$  so that*  
> *they did not have to think about it, and they could just say  $c$ =speed*  
> *of light.*  
> *Robert b. Winn*

It is obvious you have not read or understood a thing your were told or the links you were given.

Bill